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OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 8.01023 seconds
(without alignments)

2632.651 Million cell updates/sec

Title: US-09-292-053A-8
Perfect score: 38
Sequence: 1 atcacagatcctccaccatggtgtgcagaccagcagc 38

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	38	100.0	38	1	US-08-478-039-37
2	38	100.0	38	1	US-08-476-349A-37
3	38	100.0	38	3	US-08-803-085-8
4	38	100.0	38	3	US-08-523-89A-30
5	25.8	67.9	47	1	US-08-149-099C-4
6	25.8	67.9	47	1	US-08-476-275-8
7	25.8	67.9	47	2	US-08-478-967A-4
8	25.8	67.9	47	4	US-08-475-815B-4
9	25.8	67.9	47	4	US-08-475-813-8
10	24.2	63.7	9209	1	US-08-149-039C-3
11	24.2	63.7	9209	1	US-08-476-275-2
12	24.2	63.7	9209	2	US-08-478-967A-3
13	24.2	63.7	9209	4	US-08-475-815B-3
14	24.2	63.7	9209	4	US-08-475-813-2
15	24.2	63.7	18986	2	US-08-819-866-2
16	24.2	63.7	18986	2	US-09-023-715-2
17	24.2	63.7	18986	4	US-09-343-485A-2
18	24.2	63.2	41	2	US-08-761-277A-66
19	24.2	63.2	5703	1	US-08-467-420A-50
20	24.2	63.2	5703	1	US-08-470-110A-50
21	24.2	63.2	5703	1	US-08-667-769A-50
22	24.2	63.2	5703	2	US-08-940-371-50
23	24.2	63.2	5703	3	US-08-637-647-50
24	24.2	63.2	5703	5	PCT-US95-17082A-50
25	23.8	62.6	37	1	US-08-478-039-38
26	23.8	62.6	37	1	US-08-476-349A-38
27	23.8	62.6	37	3	US-08-523-89A-31

28	23.6	62.1	8540	1	US-08-149-099C-2	Sequence 2, Appl
29	23.6	62.1	8540	2	US-08-478-967A-2	Sequence 2, Appl
30	23.6	62.1	8540	4	US-08-475-815B-2	Sequence 2, Appl
31	23.6	62.1	8541	1	US-08-476-275-1	Sequence 1, Appl
32	23.6	62.1	8541	4	US-08-475-813-1	Sequence 1, Appl
33	23.4	61.6	81	5	PCT-US94-07659-9	Sequence 9, Appl
34	23.4	61.6	83	2	US-08-483-636-46	Sequence 46, Appl
35	23.4	61.6	83	2	US-08-483-632-46	Sequence 46, Appl
36	23.4	61.6	84	2	US-08-483-632-47	Sequence 47, Appl
37	23.4	61.6	84	2	US-08-467-420A-36	Sequence 47, Appl
38	23.4	61.6	89	1	US-08-470-110A-36	Sequence 36, Appl
39	23.4	61.6	89	1	US-08-667-769A-36	Sequence 36, Appl
40	23.4	61.6	89	1	US-08-940-371-36	Sequence 36, Appl
41	23.4	61.6	89	2	US-08-637-647-36	Sequence 36, Appl
42	23.4	61.6	89	3	US-08-637-647-36	Sequence 36, Appl
43	23.4	61.6	89	5	PCT-US95-17082A-36	Sequence 36, Appl
44	23.4	61.6	97	5	PCT-US93-08435-44	Sequence 44, Appl
45	23.4	61.6	140	1	US-08-467-420A-57	Sequence 57, Appl

ALIGNMENTS

RESULT 1
US-08-478-039-37
Sequence 37, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-039-37

Query Match 100.0%; Score 38; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 4.6e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGTC 38
DB 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGTC 38

RESULT 2
US-08-476-349A-37
Sequence 37, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey

POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-37

Query Match 100.0%; Score 38; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 4.6e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGTC 38
DB 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGTC 38

RESULT 3
US-08-803-085-8
Sequence 8, Application US/08803085
Patent No. 6011138
GENERAL INFORMATION:
APPLICANT: Reff, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-8

Query Match 100.0%; Score 38; DB 3; Length 38;
Best Local Similarity 100.0%; Pred. No. 4.6e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGTC 38
DB 1 ATCACAGATCTCTCACCATGTTGTCAGAGCCAGGTC 38

RESULT 4
US-08-523-894-30
Sequence 30, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.

TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-30

Query Match 100.0%; Score 38; DB 3; Length 38;
Best Local Similarity 100.0%; Pred. No. 4.6e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCATGGTGTTCAGAGCCAGGTC 38
DB 1 ATCACAGATCTCTCCACCATGGTGTTCAGAGCCAGGTC 38

RESULT 5
US-08-149-099C-4
Sequence 4, Application US/08149099C
Patent No. 5736137
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
TITLE OF INVENTION: LYMPHOMA
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-149-099C-4

Query Match 67.9%; Score 25.8; DB 1; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.062; 7; Indels 0; Gaps 0;
Matches 30; Conservative 0; Mismatches 7;

QY 1 ATCACAGATCTCTCCACCATGGTGTTCAGAGCCAGGTC 37
DB 1 ATCACAGATCTCTCCACCATGGTGTTCAGAGCCAGGTC 37

RESULT 6
US-08-476-275-8
Sequence 8, Application US/08476275
Patent No. 5776456
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radioabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the treatment of B-Cell
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-08-476-275-8

Query Match
Best Local Similarity 67.9%; Score 25.8; DB 1; Length 47;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY
1 ATCACAGATCTCTCACCATGTTGTCAGACCCAGGT 37
1 ATCACAGATCTCTCACCATGTTGTCAGACCCAGGT 37

Db
1 ATCACAGATCTCTCACCATGTTGTCAGACCCAGGT 37

RESULT 7
US-08-478-967A-4
Sequence 4, Application US/08478967A
Patent No. 583439
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,967A
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-478-967A-4

Query Match
Best Local Similarity 67.9%; Score 25.8; DB 2; Length 47;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY
1 ATCACAGATCTCTCACCATGTTGTCAGACCCAGGT 37
1 ATCACAGATCTCTCACCATGTTGTCAGACCCAGGT 37

Db
1 ATCACAGATCTCTCACCATGTTGTCAGACCCAGGT 37

RESULT 8
US-08-475-815B-4
Sequence 4, Application US/08475815B
Patent No. 6399061
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REFF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY WINTROP
STREET: 1100 New York Avenue, N.W., Ninth FL.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,815B
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 23522-0157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-815B-4

Query Match 67.9%; Score 25.8; DB 4; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.062; Mismatches 7; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCCACCATGGTGTGCAGACCAGGT 37
DB 1 ATCACAGATCTCTCCACCATGGTGTGCAGGTGACGAT 37

RESULT 9
US-08-475-813-8
; Sequence 8, Application US/08475813
; Patent No. 6682734
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; APPLICANT: Hanna, Nabil
; APPLICANT: Leonard, John E.
; APPLICANT: Newman, Roland A.
; APPLICANT: Reiff, Mitchell E.
; APPLICANT: Rastetter, William H.
; TITLE OF INVENTION: Therapeutic Application of Chimeric and
; TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
; TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,813
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/149,099
; FILING DATE: 03-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/978,891
; FILING DATE: 13-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-158
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-6620
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 47 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: NO
US-08-475-813-8

Query Match 67.9%; Score 25.8; DB 4; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.062; Mismatches 7; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCCACCATGGTGTGCAGACCAGGT 37
DB 1 ATCACAGATCTCTCCACCATGGTGTGCAGGTGACGAT 37

RESULT 10
US-08-149-099C-3

; Sequence 3, Application US/08149099C
; Patent No. 5736137
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, Darrell R.
; APPLICANT: HANNA, Nabil
; APPLICANT: LEONARD, John E.
; APPLICANT: NEWMAN, Roland A.
; APPLICANT: REIFF, Mitchell E.
; APPLICANT: RASTETTER, William H.
; TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
; TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
; TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/149,099C
; FILING DATE: 03-NOV-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/978,891
; FILING DATE: 12-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-014
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-6620
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9209 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-149-099C-3

Query Match 63.7%; Score 24.2; DB 1; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95; Mismatches 8; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCCACCATGGTGTGCAGACCAGGT 37
DB 962 ATCACAGATCTCTCCACCATGGTGTGCAGGTGACGAT 998

RESULT 11

US-08-476-275-2
; Sequence 2, Application US/08476275
; Patent No. 5776456
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; APPLICANT: Hanna, Nabil
; APPLICANT: Leonard, John E.
; APPLICANT: Newman, Roland A.
; APPLICANT: Reiff, Mitchell E.
; APPLICANT: Rastetter, William H.

TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: anti-CD20 in TCAE 8
US-08-476-275-2

Query Match 63.7%; Score 24.2; DB 1; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCATGCTGTGGCAGACCCAGAT 37
DB 962 ATCACAGATCTCTCCACCATGCTGTGGCAGATTTTCAGGTGCAGAT 998

RESULT 12
US-08-478-967A-3
Sequence 3, Application US/08478967A
Patent No. 5843439
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,967A
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-478-967A-3

Query Match 63.7%; Score 24.2; DB 2; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCATGCTGTGGCAGACCCAGAT 37
DB 962 ATCACAGATCTCTCCACCATGCTGTGGCAGATTTTCAGGTGCAGAT 998

RESULT 13
US-08-475-815B-3
Sequence 3, Application US/08475815B
Patent No. 6399061
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REFF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY WINTHROP
STREET: 1100 New York Avenue, N.W., Ninth FL.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,815B
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 23522-0157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-815B-3

Query Match 63.7%; Score 24.2; DB 4; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCAGTGTGTGCAGACCCAGGT 37
DB 962 ATCACAGATCTCTCACCAGTGTGTGCAGATTTTCAGGTGCAGAT 998

RESULT 14
US-08-475-813-2
Sequence 2, Application US/08475813
Patent No. 6682734
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reiff, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,813
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891

FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 9209 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: anti-CD20 in TCAB 8
US-08-475-813-2

Query Match 63.7%; Score 24.2; DB 4; Length 9209;
Best Local Similarity 78.4%; Pred. No. 0.95;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCAGTGTGTGCAGACCCAGGT 37
DB 962 ATCACAGATCTCTCACCAGTGTGTGCAGATTTTCAGGTGCAGAT 998

RESULT 15
US-08-819-866-2
Sequence 2, Application US/08819866
Patent No. 5830698
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: MCLACHLAN, Karen Spence
APPLICANT: BARNETT, Richard
TITLE OF INVENTION: NOVEL METHOD FOR INTEGRATING GENES AT
TITLE OF INVENTION: SPECIFIC SITES IN MAMMALIAN CELLS VIA HOMOLOGOUS
TITLE OF INVENTION: RECOMBINATION AND VECTORS FOR ACCOMPLISHING THE SAME
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSSEE: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/819,866
FILING DATE: 14-MAR-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-352
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1896 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-819-866-2

Query Match 63.7%; Score 24.2; DB 2; Length 18986;
 Best Local Similarity 78.4%; Pred. No. 1.1;
 Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGATGTTGCAGACCCAGGT 37
 7994 ATCACAGATCTCTCACCATGATGTTGCAGAT 8030

Search completed: August 23, 2004, 00:13:57
 Job time : 9.01023 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 118.685 Seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053A-8
Perfect score: 38
Sequence: 1 attacagatcttcaccatggtgtgcagaccaggctc 38

Scoring table: IDENTITY_NJC
Gapop 10.0 , Gapext 1.0

Searched: 322839 seqs, 245606551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*

2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*

3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*

4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*

5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*

6: /cgn2_6/ptodata/2/pubpna/PTUS_PUBCOMB.seq:*

7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*

8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*

9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*

10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*

11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*

12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*

13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*

14: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*

15: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*

16: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*

17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*

18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	38	100.0	38	9	US-09-850-165-61 Sequence 61, Appl
2	38	100.0	38	10	US-09-019-441-8 Sequence 8, Appl
3	38	100.0	38	15	US-10-103-686-8 Sequence 8, Appl
4	38	100.0	38	15	US-10-211-357-30 Sequence 30, Appl
5	28	70.7	6094	13	US-10-395-894-13 Sequence 13, Appl
6	25.8	67.9	47	9	US-09-911-703-4 Sequence 4, Appl
7	25.8	67.9	47	10	US-09-905-928-8 Sequence 8, Appl
8	25.8	67.9	47	15	US-10-096-964-8 Sequence 8, Appl
9	25.8	67.9	47	15	US-10-238-681-4 Sequence 4, Appl
10	24.4	64.2	96	15	US-10-203-754A-80 Sequence 80, Appl
11	24.2	63.7	9199	10	US-09-911-692-3 Sequence 3, Appl
12	24.2	63.7	9209	9	US-09-911-703-3 Sequence 3, Appl
13	24.2	63.7	9209	10	US-09-905-928-2 Sequence 2, Appl
14	24.2	63.7	9209	13	US-10-411-037-58 Sequence 58, Appl

ALIGNMENTS

RESULT 1
US-09-850-165-61
Sequence 61, Application US/09850165
Patent No. US20020150380A1
GENERAL INFORMATION:
APPLICANT: NEMMAN, ROLAND A.
APPLICANT: HANNA, NABIL
TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
FILE REFERENCE: 037003-0280614
CURRENT APPLICATION NUMBER: US/09/850,165
PRIOR FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: 09/082,472
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: 08/476,237
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/397,072
PRIOR FILING DATE: 1995-04-17
PRIOR APPLICATION NUMBER: 07/912,292
PRIOR FILING DATE: 1992-07-10
PRIOR APPLICATION NUMBER: 07/856,281
PRIOR FILING DATE: 1992-03-23
PRIOR APPLICATION NUMBER: 07/735,064
PRIOR FILING DATE: 1991-07-25
NUMBER OF SEQ ID NOS: 114
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 61
LENGTH: 38
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-850-165-61
Query Match 100.0%; Score 38; DB 9; Length 38;
Best Local Similarity 100.0%; Pred. No. 1.2e-06;
Matches 38; Conservative 0; Mismatches 0; Indels 0;

APPLICATION NUMBER: US/09/612,914A
FILING DATE: 10-Jul-2000
APPLICATION NUMBER: US 08/523,894
FILING DATE: 06-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-10-211-357-30

Query Match
Best Local Similarity 100.0%; Score 38; DB 15; Length 38;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGATGTTGCAGACCCAGGTC 38
1 ATCACAGATCTCTCACCATGATGTTGCAGACCCAGGTC 38

RESULT 5
US-10-395-894-13
Sequence 13, Application US/10395894
Publication No. US20040033229A1
GENERAL INFORMATION:
APPLICANT: MADDOX, Paul J.
APPLICANT: DONOVAN, Gerald P.
APPLICANT: OLSON, William C.
APPLICANT: SCHLKE, No. US20040033229A1
APPLICANT: GARDNER, Jason
APPLICANT: MA, Dangshe
TITLE OF INVENTION: PSMA ANTIBODIES AND PROTEIN MULTIMERS
FILE REFERENCE: P00741, 70005 US
CURRENT APPLICATION NUMBER: US/10/395,894
CURRENT FILING DATE: 2003-03-24
PRIOR APPLICATION NUMBER: PCT/US02/33944
PRIOR FILING DATE: 2002-10-23
PRIOR APPLICATION NUMBER: US 60/335,215
PRIOR FILING DATE: 2001-10-23
PRIOR APPLICATION NUMBER: US 60/362,747
PRIOR FILING DATE: 2002-03-07
PRIOR APPLICATION NUMBER: US 60/412,618
PRIOR FILING DATE: 2002-09-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13
LENGTH: 6094
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Plasmid
US-10-395-894-13

Query Match
Best Local Similarity 73.7%; Score 28; DB 13; Length 6094;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCTCACCATGATGTTGCAGACCCAGGTC 38

Db 910 TCTCACCATGATGTTGCAGACCCAGGTC 937

RESULT 6
US-09-911-703-4
Sequence 4, Application US/09911703
Publication No. US20020197255A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
HANNA, Nabil
LEONARD, John E.
NEWMAN, Roland A.
REFE, Mitchell E.
RASLETTER, William H.
THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,703
FILING DATE: 25-Jul-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/149,099
FILING DATE: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-911-703-4

Query Match
Best Local Similarity 67.9%; Score 25.8; DB 9; Length 47;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGATGTTGCAGACCCAGGTC 37
1 ATCACAGATCTCTCACCATGATGTTGCAGACCCAGGTC 37

RESULT 7
US-09-905-928-8
Sequence 8, Application US/09905928
Publication No. US20030021781A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.

APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/905,928
FILING DATE: 17-JUL-2001
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/475,813
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
US-09-905-928-8

Query Match 67.9%; Score 25.8; DB 10; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.25; * 7; Indels 0; Gaps 0;
Matches 30; Conservative 0; Mismatches 7;

Db 1 ATCACAGATCTCTCACCATGATTTTCAGGTGAGAT 37
1 ATCACAGATCTCTCACCATGATTTTCAGGTGAGAT 37

RESULT 8
US-10-096-964-8
Sequence 8, Application US/10096964
Publication No. US20030082172A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and

Radiolabeled Antibodies to Human B Lymphocyte Restricted
Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/096,964
FILING DATE: 14-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/475,813
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-096-964-8

Query Match 67.9%; Score 25.8; DB 15; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.25; * 7; Indels 0; Gaps 0;
Matches 30; Conservative 0; Mismatches 7;

Db 1 ATCACAGATCTCTCACCATGATTTTCAGGTGAGAT 37
1 ATCACAGATCTCTCACCATGATTTTCAGGTGAGAT 37

RESULT 9
US-10-238-681-4
Sequence 4, Application US/10238681
Publication No. US20030147885A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REFF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND RADIOLABELLED
TITLE OF INVENTION: ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR TREATMENT OF B CELL
FILE REFERENCE: 37003/0291808
CURRENT APPLICATION NUMBER: US/10/238,681
CURRENT FILING DATE: 2002-09-11
PRIOR APPLICATION NUMBER: 08/921,060
PRIOR FILING DATE: 1997-08-29

;; PRIOR APPLICATION NUMBER: 08/149,099
;; PRIOR FILING DATE: 1993-11-03
;; PRIOR APPLICATION NUMBER: 07/978,891
;; PRIOR FILING DATE: 1992-11-13
;; NUMBER OF SEQ ID NOS: 11
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO: 4
;; LENGTH: 47
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-238-681-4

Query Match 67.9%; Score 25.8; DB 15; Length 47;
Best Local Similarity 81.1%; Pred. No. 0.25;
Matches 30; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCATGGTGTTCGACAGCCAGGT 37
DB 1 ATCACAGATCTCTCCACCATGGATTTTCAGGTGAGAT 37

RESULT 10
US-10-203-754A-80
; Sequence 80, Application US/10203754A
; Publication No. US20030157132A1
; GENERAL INFORMATION:
; APPLICANT: ITAMI, Seima
; APPLICANT: SEKI, Makoto
; APPLICANT: MATSURA, Yoshiharu
; APPLICANT: SHIBUI, Tatsuro
; APPLICANT: YOSHIMOTO, Yoshinisa
; APPLICANT: MIYAMURA, Tatsuo
; TITLE OF INVENTION: Therapeutic Agent for Hepatitis C
; FILE REFERENCE: P22257
; CURRENT APPLICATION NUMBER: US/10/203,754A
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: PCT/JP01/00967
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 80
; LENGTH: 96
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: PCR Primer
US-10-203-754A-80

Query Match 64.2%; Score 24.4; DB 15; Length 96;
Best Local Similarity 96.2%; Pred. No. 1.1;
Matches 25; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 13 TCACCATGGTGTTCGACAGCCAGGTC 38
DB 9 TCACCATGGCTTCACAGCCAGGTC 34

RESULT 11
US-09-911-692-3
; Sequence 3, Application US/09911692
; Publication No. US20030095963A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, Darrell R.
; HANNA, Nabil
; LEONARD, John E.
; NEWMAN, Roland A.
; REFF, Mitchell E.
; RASTETTER, William H.
; THERAPEUTIC APPLICATION OF CHIMERIC AND
; RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
; DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL

;; LYMPHOMA
;; NUMBER OF SEQUENCES: 9
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
;; STREET: P.O. Box 1404
;; CITY: Alexandria
;; STATE: Virginia
;; COUNTRY: United States
;; ZIP: 22313-1404
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/911,692
;; FILING DATE: 25-Jul-2001
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/149,099C
;; FILING DATE: 03-NOV-1993
;; APPLICATION NUMBER: US 07/978,891
;; FILING DATE: 12-NOV-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Teskin, Robin L.
;; REGISTRATION NUMBER: 35,030
;; REFERENCE/DOCKET NUMBER: 012712-014
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (703) 836-6620
;; TELEFAX: (703) 836-2021
;; INFORMATION FOR SEQ ID NO: 3:
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: circular
;; MOLECULE TYPE: DNA (genomic)
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-911-692-3

Query Match 63.7%; Score 24.2; DB 10; Length 9199;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCCACCATGGTGTTCGACAGCCAGGT 37
DB 953 ATCACAGATCTCTCACTATGGATTTTCAGGTGAGAT 988

RESULT 12
US-09-911-703-3
; Sequence 3, Application US/09911703
; Publication No. US20020197255A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, Darrell R.
; HANNA, Nabil
; LEONARD, John E.
; NEWMAN, Roland A.
; REFF, Mitchell E.
; RASTETTER, William H.
; THERAPEUTIC APPLICATION OF CHIMERIC AND
; RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
; DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
;; LYMPHOMA
;; NUMBER OF SEQUENCES: 9
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
;; STREET: P.O. Box 1404
;; CITY: Alexandria
;; STATE: Virginia
;; COUNTRY: United States
;; ZIP: 22313-1404

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COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/911,703
; FILING DATE: 25-Jul-2001
; CLASSIFICATION: <Unknown>
;
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/149,099
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-014
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
;
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9209 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-911-703-3

Query Match      63.7%; Score 24.2; DB 9; Length 9209;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Cy 1 ATCACAGATCTCTCACCAGTGTGTCAGACCCAGGT 37
Db 962 ATCACAGATCTCTCAGTATGATTTTCAGGTGCAGAT 998

RESULT 13
; Sequence 2, Application US/09905928
; Publication No. US20030021781A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; APPLICANT: Hanna, Nabil
; APPLICANT: Leonard, John E.
; APPLICANT: Newman, Roland A.
; APPLICANT: Reff, Mitchell E.
; APPLICANT: Rastetter, William H.
; TITLE OF INVENTION: Therapeutic Application of Chimeric and
; TITLE OF INVENTION: Radiolabelled Antibodies to Human B lymphocyte Restricted
; TITLE OF INVENTION: Differentiation Antigen for the treatment of B-Cell Lymphoma
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/905,928
; FILING DATE: 17-Jul-2001
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/475,813
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FILING DATE: 07-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/149,099
; FILING DATE: 03-NOV-1993
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/978,891
; FILING DATE: 13-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-158
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
;
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9209 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: anti-CD20 in TCAE 8
US-09-905-928-2

Query Match      63.7%; Score 24.2; DB 10; Length 9209;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Cy 1 ATCACAGATCTCTCACCAGTGTGTCAGACCCAGGT 37
Db 962 ATCACAGATCTCTCAGTATGATTTTCAGGTGCAGAT 998

RESULT 14
US-10-411-037-58
; Sequence 58, Application US/10411037
; Publication No. US20040043446A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; TITLE OF INVENTION: ALPHA GALACTOSIDASE A: REMODELING AND GLYCOCONJUGATION OF ALPHA
; TITLE OF INVENTION: GALACTOSIDASE A
; FILE REFERENCE: 040853-01-5082
; CURRENT APPLICATION NUMBER: US/10/411,037
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 58
; LENGTH: 9209
; TYPE: DNA
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; ORGANISM: Mus musculus
US-10-411-037-58

Query Match 63.7%; Score 24.2; DB 13; Length 9209;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGGTGTGACACCCAGGT 37
Db 962 ATCACAGATCTCTCACCATGGTGTGACACCCAGGT 998

RESULT 15

US-10-411-026-58
; Sequence 58, Application US/10411026
; Publication No. US20040063911A1
; GENERAL INFORMATION:
; APPLICANT: Nectse Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; TITLE OF INVENTION: PROTEIN REMODELING METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
; FILE REFERENCE: 040853-01-5053
; CURRENT APPLICATION NUMBER: US/10/411,026
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 58
; LENGTH: 9209
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-411-026-58

Query Match 63.7%; Score 24.2; DB 13; Length 9209;
Best Local Similarity 78.4%; Pred. No. 2.9;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGGTGTGACACCCAGGT 37
Db 962 ATCACAGATCTCTCACCATGGTGTGACACCCAGGT 998

Search completed: August 23, 2004, 09:17:36
Job time : 119.685 secs

OTHER INFORMATION: N = T/G."

US-08-803-085-7

Query Match 94.3%; Score 33; DB 3; Length 35;

Best Local Similarity 94.3%; Pred. No. 58-05; Mismatches 2; Indels 0; Gaps 0;

Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATTGGAARCCCGACGCKCAG 35

DB 1 ATCAGATCTCTCACCATTGGAARCCCGACGCKCAG 35

RESULT 2

US-08-478-039-38

Sequence 38, Application US/08478039

Patent No. 5681722

GENERAL INFORMATION:

APPLICANT: Newman, Roland A.

APPLICANT: Hanna, Nabil

APPLICANT: Raad, Ronald W.

TITLE OF INVENTION: Recombinant Antibodies for Human Therapy

NUMBER OF SEQUENCES: 114

CORRESPONDENCE ADDRESSES:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: 699 Prince St.

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/478,039

FILING DATE: 07-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/379,072

FILING DATE: 25-JAN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/912,292

FILING DATE: 10-JUL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/856,281

FILING DATE: 23-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/735,064

FILING DATE: 25-JUL-1991

ATTORNEY/AGENT INFORMATION:

NAME: Teskin Esq., Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-160

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-836-6620

TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:

LENGTH: 37 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens or Monkey

POSITION IN GENOME:

CHROMOSOME/SEGMENT: kappa light chain primer with BglII site

US-08-478-039-38

Query Match 90.9%; Score 31.8; DB 1; Length 37;

Best Local Similarity 88.6%; Pred. No. 0.00016;

Matches 31; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATTGGAARCCCGACGCKCAG 35

DB 1 ATCAGATCTCTCACCATTGGAARCCCGACGCKCAG 35

Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATTGGAARCCCGACGCKCAG 35

DB 1 ATCAGATCTCTCACCATTGGAARCCCGACGCKCAG 35

RESULT 3

US-08-476-349A-38

Sequence 38, Application US/08476349A

Patent No. 5750105

GENERAL INFORMATION:

APPLICANT: Newman, Roland A.

APPLICANT: Hanna, Nabil

APPLICANT: Raad, Ronald W.

TITLE OF INVENTION: Recombinant Antibodies for Human Therapy

NUMBER OF SEQUENCES: 114

CORRESPONDENCE ADDRESSES:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: 699 Prince St.

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/476,349A

FILING DATE: 07-JUN-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/379,072

FILING DATE: 25-JAN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/912,292

FILING DATE: 10-JUL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/856,281

FILING DATE: 23-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/735,064

FILING DATE: 25-JUL-1991

ATTORNEY/AGENT INFORMATION:

NAME: Teskin Esq., Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-161

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-836-6620

TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:

LENGTH: 37 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens or Monkey

POSITION IN GENOME:

CHROMOSOME/SEGMENT: kappa light chain primer with BglII site

US-08-476-349A-38

Query Match 90.9%; Score 31.8; DB 1; Length 37;

Best Local Similarity 88.6%; Pred. No. 0.00016;

Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATTGGAARCCCGACGCKCAG 35

DB 1 ATCAGATCTCTCACCATTGGAARCCCGACGCKCAG 35

RESULT 4
US-08-523-894-31
Sequence 31, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabli
APPLICANT: Newman, Roland A.
APPLICANT: Reif, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
TITLE OF INVENTION: Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-31

Query Match 90.9%; Score 31.8; DB 3; Length 37;
Best Local Similarity 88.6%; Pred. No. 0.00016;
Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGARCCCGACGCKAG 35
DB 1 ATCACAGATCTCTCACCATGAGARCCCGACGCKAG 35

RESULT 5
US-08-149-099C-2
Sequence 2, Application US/08149099C
Patent No. 576137
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabli
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REIF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
TITLE OF INVENTION: LYMPHOMA
NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
US-08-149-099C-2

Query Match 74.9%; Score 26.2; DB 1; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGARCCCGACGCKAG 35
DB 962 ATCACAGATCTCTCACCATGAGARCCCGACGCKAG 966

RESULT 6
US-08-478-967A-2
Sequence 2, Application US/08478967A
Patent No. 5843439
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabli
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REIF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
TITLE OF INVENTION: LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,967A
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO
ANTI-SENSE: NO
US-08-478-967A-2

Query Match 74.9%; Score 26.2; DB 2; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATTGAAACCCGACGCKGAG 35
Db 962 ATCACAGATCTCTCACCATTGAGGATCCCGCTCAG 996

RESULT 7
US-08-475-815B-2
Sequence 2, Application US/08475815B
Patent No. 6399061
GENERAL INFORMATION:
APPLICANT: ANDERSON, DARRELL R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, JOHN E.
APPLICANT: NEWMAN, ROLAND A.
APPLICANT: REEF, MITCHELL E.
APPLICANT: RASTETTER, WILLIAM H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PILLSBURY WINTHROP
STREET: 1100 New York Avenue, N.W., Ninth FL.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,815B
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 23522-0157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-815B-2

Query Match 74.9%; Score 26.2; DB 4; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATTGAAACCCGACGCKGAG 35
Db 962 ATCACAGATCTCTCACCATTGAGGATCCCGCTCAG 996

RESULT 8
US-08-476-275-1
Sequence 1, Application US/08476275
Patent No. 5776456
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reef, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAB 8
US-08-476-275-1

Query Match 74.9%; Score 26.2; DB 1; Length 8541;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Db 1 ATCACAGATCTCTCACCATGAGARCCCGCAGCAG 35
962 ATCACAGATCTCTCACCATGAGGATCCCGCTCAG 996

RESULT 9
US-08-475-813-1
Sequence 1, Application US/08475813
Patent No. 6682734
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabli
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
NUMBER OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475.813
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO

ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAB 8
US-08-475-813-1

Query Match 74.9%; Score 26.2; DB 4; Length 8541;
Best Local Similarity 80.0%; Pred. No. 0.097;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Db 1 ATCACAGATCTCTCACCATGAGARCCCGCAGCAG 35
962 ATCACAGATCTCTCACCATGAGGATCCCGCTCAG 996

RESULT 10
US-08-803-085-6
Sequence 6, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-6

Query Match 71.4%; Score 25; DB 3; Length 35;
Best Local Similarity 80.0%; Pred. No. 0.11;
Matches 28; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Db 1 ATCACAGATCTCTCACCATGAGARCCCGCAGCAG 35
1 ATCACAGATCTCTCACCATGAGGATCCCGCTCAG 35

RESULT 11
US-08-478-039-40
Sequence 40, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabli

APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-40
Query Match 68.0%; Score 23.8; DB 1; Length 41;
Best Local Similarity 78.8%; Pred. No. 0.36;
Matches 26; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATTGACACVAGGCCCC 33
DB 1 ATCACAGATCTCTCACCATTGACACVAGGCCCC 33
RESULT 12
US-08-476-349A-40
Sequence 40, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-40
Query Match 68.0%; Score 23.8; DB 1; Length 41;
Best Local Similarity 78.8%; Pred. No. 0.36;
Matches 26; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATTGACACVAGGCCCC 33
DB 1 ATCACAGATCTCTCACCATTGACACVAGGCCCC 33
RESULT 13
US-08-523-894-33
Sequence 33, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA

ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENE:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-33

Query Match 68.0%; Score 23.8; DB 3; Length 41;
Best Local Similarity 78.8%; Pred. No. 0.36;
Matches 26; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGGAGARCCCGAGCKC 33
Db 1 ATCACAGATCTCTCACCATGGAGACVAGGGGCC 33

RESULT 14
US-08-149-099C-4
Sequence 4, Application US/08149099C
Patent No. 5736137
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
TITLE OF INVENTION: LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P. O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
CLASSIFICATION: 424
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-149-099C-4

Query Match 66.9%; Score 23.4; DB 1; Length 47;
Best Local Similarity 77.1%; Pred. No. 0.54;
Matches 27; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGGAGARCCCGAGCKCAG 35
Db 1 ATCACAGATCTCTCACCATGGAGATTTCAGATGCGAG 35

RESULT 15
US-08-476-275-8
Sequence 8, Application US/08476275

Patent No. 578456
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radioabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell
TITLE OF INVENTION: LYMPHOMA
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620

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; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 47 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
;   ANTI-SENSE: NO
US-08-476-275-8

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Query Match          66.9%; Score 23.4; DB 1; Length 47;
Best Local Similarity 77.1%; Pred. No. 0.54;
Matches 27; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

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QY      1 ATCAGAGATCTCTCAGCAGATGGAARCCCGCAGCKCAG 35
         |||||
Db      1 ATCAGAGATCTCTCAGCAGATGGAATTTTCAGGTCAG 35

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Search completed: August 23, 2004, 00:13:56
 Job time : 8.37784 secs

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OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 7.37784 Seconds

(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-6

Perfect score: 35

Sequence: 1 atcacagatctctcaccatgaggtccctctcag 35

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

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3: /cgn2_6/ptodata/2/ina/6A.COMB.seq.*

4: /cgn2_6/ptodata/2/ina/6B.COMB.seq.*

5: /cgn2_6/ptodata/2/ina/PCFUS.COMB.seq.*

6: /cgn2_6/ptodata/2/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match length	ID	Description
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2	31.8	90.9	8540 1	US-08-149-099C-2
3	31.8	90.9	8540 2	US-08-478-967A-2
4	31.8	90.9	8540 4	US-08-475-815B-2
5	31.8	90.9	8541 1	US-08-476-275-1
6	31.8	90.9	8541 4	US-08-475-813-1
7	29	82.9	37 1	US-08-478-039-38
8	29	82.9	37 1	US-08-476-349A-38
9	29	82.9	37 3	US-08-523-894-31
10	25	71.4	35 3	US-08-803-085-7
11	23.4	66.9	594 3	US-09-385-982-397
12	22.2	63.4	38 1	US-08-478-039-37
13	22.2	63.4	38 1	US-08-476-349A-37
14	22.2	63.4	38 3	US-08-803-085-8
15	22.2	63.4	38 3	US-08-523-894-30
16	22	62.9	40 2	US-08-761-277A-64
17	21.8	62.3	39 1	US-08-379-072A-18
18	21.8	62.3	39 1	US-08-478-039-43
19	21.8	62.3	39 1	US-08-481-869-18
20	21.8	62.3	39 1	US-08-476-349A-43
21	21.8	62.3	39 3	US-08-476-237-14
22	21.8	62.3	39 3	US-08-523-894-36
23	21	60.0	38 1	US-08-478-039-45
24	21	60.0	38 1	US-08-476-349A-45
25	20.6	58.9	47 1	US-08-149-099C-38
26	20.6	58.9	47 1	US-08-476-275-8
27	20.6	58.9	47 1	US-08-476-275-8

28	20.6	58.9	47 2	US-08-478-967A-4	Sequence 4, Appl1
29	20.6	58.9	47 4	US-08-475-815B-4	Sequence 4, Appl1
30	20.6	58.9	47 4	US-08-475-813-8	Sequence 8, Appl1
31	20.2	57.7	39 1	US-08-478-039-44	Sequence 44, Appl1
32	20.2	57.7	39 1	US-08-476-349A-44	Sequence 44, Appl1
33	20.2	57.7	39 3	US-08-523-894-37	Sequence 37, Appl1
34	20	57.1	34 3	US-08-803-085-10	Sequence 10, Appl1
35	20	57.1	34 3	US-08-803-085-11	Sequence 11, Appl1
36	20	57.1	35 3	US-08-803-085-12	Sequence 12, Appl1
37	20	57.1	39 1	US-08-478-039-41	Sequence 41, Appl1
38	20	57.1	39 1	US-08-478-039-42	Sequence 42, Appl1
39	20	57.1	39 1	US-08-476-349A-41	Sequence 42, Appl1
40	20	57.1	39 1	US-08-476-349A-42	Sequence 42, Appl1
41	20	57.1	39 3	US-08-523-894-34	Sequence 34, Appl1
42	20	57.1	39 3	US-08-523-894-35	Sequence 35, Appl1
43	20	57.1	41 1	US-08-478-039-39	Sequence 39, Appl1
44	20	57.1	41 1	US-08-478-039-40	Sequence 40, Appl1
45	20	57.1	41 1	US-08-476-349A-39	Sequence 39, Appl1

ALIGNMENTS

```
RESULT 1
US-08-803-085-6
: Sequence 6, Application US/08803085
: Patent No. 601138
: GENERAL INFORMATION:
: APPLICANT: REEF, Mitchell E.
: APPLICANT: KLOETZER, William S.
: APPLICANT: NAKAMURA, Takehiko
: TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
: TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
: NUMBER OF SEQUENCES: 35
: CORRESPONDENCE ADDRESS:
: ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
: STREET: P.O. Box 1404
: CITY: Alexandria
: STATE: Virginia
: COUNTRY: United States
: ZIP: 22313-1404
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/803,085
: FILING DATE: 20-FEB-1997
: CLASSIFICATION: 424
: ATTORNEY/AGENT INFORMATION:
: NAME: Teekin, Robin L.
: REGISTRATION NUMBER: 35,030
: REFERENCE/DOCKET NUMBER: 012712-353
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703) 836-6620
: INFORMATION FOR SEQ ID NO: 6:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 35 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-803-085-6

Query Match 100.0%; Score 35; DB 3; Length 35;
Best Local Similarity 100.0%; Pred. No. 3.6e-06;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
```

RESULT 2
US-08-149-099C-2
Sequence 2, Application US/08149099C
Patent No. 5736137
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-149-099C-2

Query Match 90.9%; Score 31.8; DB 1; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCGCTCAG 996

RESULT 3
US-08-478-967A-2
Sequence 2, Application US/08478967A
Patent No. 5843439
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, Nabil
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.

APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,967A
FILING DATE:
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-478-967A-2

Query Match 90.9%; Score 31.8; DB 2; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCGCTCAG 996

RESULT 4
US-08-475-815B-2
Sequence 2, Application US/08475815B
Patent No. 639061
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
APPLICANT: HANNA, NABIL
APPLICANT: LEONARD, John E.
APPLICANT: NEWMAN, Roland A.
APPLICANT: REFF, Mitchell E.
APPLICANT: RASTETTER, William H.
TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND
TITLE OF INVENTION: RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PILLSBURY WINTHROP

STREET: 1100 New York Avenue, N.W., Ninth FL.
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/475,815
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 23522-0157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-475-815B-2

Query Match 90.9%; Score 31.8; DB 4; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 5
US-08-476-275-1
Sequence 1, Application US/08476275
Patent No. 5776456
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reiff, Mitchell E.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESS: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,275
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-155
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAB 8
US-08-476-275-1

Query Match 90.9%; Score 31.8; DB 1; Length 8541;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 6
US-08-475-813-1
Sequence 1, Application US/08475813
Patent No. 6682734
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabil
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reiff, Mitchell E.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESS: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAE 8
US-08-475-813-1

Query Match 90.9%; Score 31.8; DB 4; Length 8541;
Best Local Similarity 94.3%; Pred. No. 0.00022;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 7
US-08-478-039-38
Sequence 38, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-38

Query Match 82.9%; Score 29; DB 1; Length 37;
Best Local Similarity 82.9%; Pred. No. 0.0013;
Matches 29; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 8
US-08-476-349A-38
Sequence 38, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-38

Query Match 82.9%; Score 29; DB 1; Length 37;
Best Local Similarity 82.9%; Pred. No. 0.0013;
Matches 29; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 9
US-08-523-894-31
Sequence 31, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabli
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
TITLE OF INVENTION: Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-31

Query Match 82.9%; Score 29; DB 3; Length 37;
Best Local Similarity 82.9%; Pred. No. 0.0013;
Matches 29; Conservative 3; Mismatches 3; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 10
US-08-803-085-7
Sequence 7, Application US/08803085
Patent No. 6011138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc_feature
LOCATION: 24
OTHER INFORMATION: /note= "Nucleotide 24 is N wherein
OTHER INFORMATION: N = A/G."
FEATURE:
NAME/KEY: misc_feature
LOCATION: 32
OTHER INFORMATION: /note= "Nucleotide 32 is N wherein
OTHER INFORMATION: N = T/G."
US-08-803-085-7

Query Match 71.4%; Score 25; DB 3; Length 35;
Best Local Similarity 80.0%; Pred. No. 0.068;
Matches 28; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 11
US-09-385-982-397
Sequence 397, Application US/09385982
Patent No. 6262334
GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION

;; TITLE OF INVENTION: PRODUCTS: II
;; FILE REFERENCE: CCDNA-260X
;; CURRENT APPLICATION NUMBER: US/09/385,992
;; CURRENT FILING DATE: 1999-08-30
;; EARLIER APPLICATION NUMBER: 09/328,111
;; EARLIER FILING DATE: 1999-06-08
;; EARLIER APPLICATION NUMBER: 60/117,393
;; EARLIER FILING DATE: 1999-01-27
;; EARLIER APPLICATION NUMBER: 60/098,639
;; EARLIER FILING DATE: 1998-08-31
;; NUMBER OF SEQ ID NOS: 544
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO: 397
;; LENGTH: 594
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)...(594)
;; OTHER INFORMATION: n = A,T,C or G
US-09-385-982-397

Query Match 66.9%; Score 23.4; DB 3; Length 594;
Best Local Similarity 96.0%; Pred. No. 0.54;
Matches 24; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 11 TCTCACCATGAGGCTCCCTGCTCAG 35
DB 32 TCTCACCATGAGGCTCCCTGCTCAG 56

RESULT 12
US-08-478-039-37
; Sequence 37, Application US/08478039
; Patent No. 5681722
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,039
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/379,072
; FILING DATE: 25-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/912,292
; FILING DATE: 10-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/856,281
; FILING DATE: 23-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/735,064
; FILING DATE: 25-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin Esq., Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-160

;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 703-836-6620
;; TELEFAX: 703-836-2021
;; INFORMATION FOR SEQ ID NO: 37:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 38 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Homo sapiens or Monkey
;; POSITION IN GENOME:
;; CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-37

Query Match 63.4%; Score 22.2; DB 1; Length 38;
Best Local Similarity 77.1%; Pred. No. 1.1;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCAGATCTCTCACCATGAGGCTCTGCAAGCCAG 35

RESULT 13
US-08-476-349A-37
; Sequence 37, Application US/08476349A
; Patent No. 5750105
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,349A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/379,072
; FILING DATE: 25-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/912,292
; FILING DATE: 10-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/856,281
; FILING DATE: 23-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/735,064
; FILING DATE: 25-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin Esq., Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-161
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:

LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-37

Query Match 63.4%; Score 22.2; DB 1; Length 38;
Best Local Similarity 77.1%; Pred. No. 1.1;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 14
US-08-803-085-8
Sequence 8, Application US/08803085
Patent No. 6011138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-8

Query Match 63.4%; Score 22.2; DB 3; Length 38;
Best Local Similarity 77.1%; Pred. No. 1.1;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 15
US-08-523-894-30
Sequence 30, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-30

Query Match 63.4%; Score 22.2; DB 3; Length 38;
Best Local Similarity 77.1%; Pred. No. 1.1;
Matches 27; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

Search completed: August 23, 2004, 00:13:55
Job time : 7.37784 secs

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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 109.315 Seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053A-7
Perfect score: 35
Sequence: 1 atccacgactctccaccatggaacccacgacg 35

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3228839 seqs, 2456066551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA.*

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3: /cgn2_6/ptodata/2/pubpna/us06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/2/pubpna/us06_PUBCOMB.seq.*
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18: /cgn2_6/ptodata/2/pubpna/us60_NEW_PUBCOMB.seq.*
19: /cgn2_6/ptodata/2/pubpna/us60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	34.2	97.7	9568	13	US-10-147-849-16
2	33	94.3	35	10	US-09-019-441-7
3	33	94.3	35	15	US-10-103-686-7
4	31.8	90.9	37	9	US-09-850-165-62
5	31.8	90.9	37	15	US-10-211-357-31
6	26.2	74.9	8530	10	US-09-911-692-2
7	26.2	74.9	8540	9	US-09-911-703-2
8	26.2	74.9	8540	13	US-10-411-037-57
9	26.2	74.9	8540	13	US-10-411-026-57
10	26.2	74.9	8540	15	US-10-238-681-2
11	26.2	74.9	8540	17	US-10-410-962-57
12	26.2	74.9	8540	17	US-10-411-049-57
13	26.2	74.9	8540	17	US-10-410-930-57
14	26.2	74.9	8540	17	US-10-410-997-57

ALIGNMENTS

15	26.2	74.9	8540	17	US-10-411-012-57	Sequence 57, Appl
16	26.2	74.9	8540	17	US-10-287-994-57	Sequence 57, Appl
17	26.2	74.9	8540	10	US-10-410-813-57	Sequence 57, Appl
18	26.2	74.9	8541	17	US-09-905-828-1	Sequence 1, Appl
19	26.2	74.9	8541	15	US-10-096-964-1	Sequence 1, Appl
20	25	71.4	35	15	US-09-019-441-6	Sequence 6, Appl
21	25	71.4	35	15	US-10-103-686-6	Sequence 6, Appl
22	24	68.6	57	16	US-10-173-551-63	Sequence 64, Appl
23	23.8	68.0	41	9	US-09-850-165-64	Sequence 43, Appl
24	23.8	68.0	41	15	US-10-211-357-33	Sequence 3, Appl
25	23.4	66.9	47	9	US-09-911-703-4	Sequence 8, Appl
26	23.4	66.9	47	10	US-09-905-928-8	Sequence 8, Appl
27	23.4	66.9	47	15	US-10-096-964-8	Sequence 8, Appl
28	23.4	66.9	47	15	US-10-238-681-4	Sequence 4, Appl
29	22.8	65.1	10236	9	US-09-764-853-678	Sequence 878, App
30	22.8	65.1	10236	15	US-10-091-438-242	Sequence 242, App
31	22.8	65.1	10236	15	US-10-091-438-282	Sequence 282, App
32	22.8	65.1	207433	16	US-10-277-216-5	Sequence 5, Appl
33	22.8	65.1	207433	17	US-10-126-022-5	Sequence 5, Appl
34	22.8	62.9	41	9	US-09-850-165-63	Sequence 63, Appl
35	22	62.9	41	10	US-09-019-441-5	Sequence 5, Appl
36	22	62.9	41	15	US-10-103-686-5	Sequence 5, Appl
37	22	62.9	41	15	US-10-211-357-32	Sequence 32, Appl
38	22	62.9	3548	15	US-10-295-823-3	Sequence 93, App
39	22	62.9	12017	13	US-09-973-478-933	Sequence 319, Appl
40	21.8	62.3	434	13	US-10-240-425-319	Sequence 3, Appl
41	21.8	62.3	919	9	US-09-911-692-3	Sequence 2, Appl
42	21.8	62.3	9209	10	US-09-911-703-3	Sequence 3, Appl
43	21.8	62.3	9209	9	US-09-905-928-2	Sequence 58, Appl
44	21.8	62.3	9209	13	US-10-411-037-58	Sequence 58, Appl
45	21.8	62.3	9209	13	US-10-411-026-58	Sequence 58, Appl

RESULT 1
US-10-147-849-16
Sequence 16, Application US/10147849
GENERAL INFORMATION:
Publication No. US20030190319A1
APPLICANT: Adolf, Gunther
APPLICANT: Ostermann, Elinborg
APPLICANT: Patzelt, Erik
APPLICANT: Spriell, Marlies
APPLICANT: Heider, Karl-Heinz
APPLICANT: Miglietta, John
APPLICANT: van Dongen, Augustinus Antonius Maria Silvester
TITLE OF INVENTION: Antibodies specific for CD44v6
FILE REFERENCE: 1011.2210002
CURRENT APPLICATION NUMBER: US/10/147,849
CURRENT FILING DATE: 2002-05-20
PRIOR APPLICATION NUMBER: US 60/325147
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: US 60/323075
PRIOR FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: EP 01112237.1
PRIOR FILING DATE: 2001-05-18
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 16
LENGTH: 9568
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: Description of Artificial Sequence: humanized
OTHER INFORMATION: antibody sequence
US-10-147-849-16

Query Match 97.7%; Score 34.2; DB 13; Length 9568;
Best Local Similarity 94.3%; Pred. No. 0.00015;
Matches 33; Conservative 2; Mismatches 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKCAG 35
Db 1817 ATCACAGATCTCTCACCATGGAARCCCGACGCKCAG 1851

RESULT 2

US-09-019-441-7
; Sequence 7, Application US/09019441
; Publication No. US20030086921A1
; GENERAL INFORMATION:
; APPLICANT: REF, Mitchell E.
; KLOETZER, William S.
; NAKAMURA, Takehiko
; TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
; ANTIBODIES AND USE THEREOF AS THERAPEUTICS
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/019,441
; FILING DATE: 05-Feb-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/803,085
; FILING DATE: 20-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-502
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 24
; OTHER INFORMATION: /note= "Nucleotide 24 is N wherein
; N = A/G."
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 32
; OTHER INFORMATION: /note= "Nucleotide 32 is N wherein
; N = T/G."
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-019-441-7

Query Match 94.3%; Score 33; DB 10; Length 35;
Best Local Similarity 94.3%; Pred. No. 0.00038;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKCAG 35
Db 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKCAG 35

RESULT 3
US-10-103-686-7

; Sequence 7, Application US/10103686
; Publication No. US20030059424A1
; GENERAL INFORMATION:
; APPLICANT: REF, Mitchell E.
; KLOETZER, William S.
; NAKAMURA, Takehiko
; TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
; ANTIBODIES AND USE THEREOF AS THERAPEUTICS
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/103,686
; FILING DATE: 25-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/803,085
; FILING DATE: 20-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-353
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 24
; OTHER INFORMATION: /note= "Nucleotide 24 is N wherein
; N = A/G."
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 32
; OTHER INFORMATION: /note= "Nucleotide 32 is N wherein
; N = T/G."
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-103-686-7

Query Match 94.3%; Score 33; DB 15; Length 35;
Best Local Similarity 94.3%; Pred. No. 0.00038;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKCAG 35
Db 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKCAG 35

RESULT 4
US-09-850-165-62
; Sequence 62, Application US/09850165
; Patent No. US20020150580A1
; GENERAL INFORMATION:
; APPLICANT: NEWMAN, ROLAND A.
; APPLICANT: HANNA, NABIL
; APPLICANT: RAAB, RONALD W.
; TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY

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FILE REFERENCE: 037003-0280614
CURRENT APPLICATION NUMBER: US/09/850,165
CURRENT FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: 09/082,472
PRIOR FILING DATE: 1998-05-21
PRIOR APPLICATION NUMBER: 08/476,237
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/397,072
PRIOR FILING DATE: 1995-04-17
PRIOR APPLICATION NUMBER: 07/912,292
PRIOR FILING DATE: 1992-07-10
PRIOR APPLICATION NUMBER: 07/856,281
PRIOR FILING DATE: 1992-03-23
PRIOR APPLICATION NUMBER: 07/735,064
PRIOR FILING DATE: 1991-07-25
NUMBER OF SEQ ID NOS: 114
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 62
LENGTH: 37
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-850-165-62

Query Match      90.9%; Score 31.8; DB 9; Length 37;
Best Local Similarity 88.6%; Pred. No. 0.0012;
Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy
1 ATCACAGATCTCTCACCATGGARCCCGCCKCAG 35
1 ATCACAGATCTCTCACCATGGARCCCGCCKCAG 35
Db

RESULT 5
US-10-211-357-31
Sequence 31, Application US/10211357
Publication No. US2003007275A1
GENERAL INFORMATION:
APPLICANT: Hanna, Nabill
Newman, Roland A.
Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/211,357
FILING DATE: 05-AUG-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/612,914A
FILING DATE: 10-JUL-2000
APPLICATION NUMBER: US 08/523,894
FILING DATE: 06-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

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INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-10-211-357-31

Query Match      90.9%; Score 31.8; DB 15; Length 37;
Best Local Similarity 88.6%; Pred. No. 0.0012;
Matches 31; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy
1 ATCACAGATCTCTCACCATGGARCCCGCCKCAG 35
1 ATCACAGATCTCTCACCATGGARCCCGCCKCAG 35
Db

RESULT 6
US-09-911-692-2
Sequence 2, Application US/09911692
Publication No. US20030095963A1
GENERAL INFORMATION:
APPLICANT: ANDERSON, Darrell R.
HANNA, Nabill
LEONARD, John E.
NEWMAN, Roland A.
REFF, Mitchell E.
RASTETTER, William H.
THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,692
FILING DATE: 25-JUL-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993
APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO

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ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 2
US-09-911-692-2

Query Match 74.9%; Score 26.2; DB 10; Length 8530;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35
Db 952 ATCACAGATCTCTCACCATGAGGTCCCGCTCAG 986

RESULT 7
US-09-911-703-2

Sequence 2, Application US/09911703
Publication No. US20020197255A1
GENERAL INFORMATION:

APPLICANT: ANDERSON, Darrell R.

HANNA, Nabil

LEONARD, John E.

NEWMAN, Roland A.

REFE, Mitchell E.

PASTETTER, William H.

THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIO LABELED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: P.O. Box 1404

CITY: Alexandria

STATE: Virginia

COUNTRY: United States

ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/911,703

FILING DATE: 25-Jul-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/149,099

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-014

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-6620

TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 8540 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOHETICAL: NO

ANTI-SENSE: NO

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-911-703-2

Query Match 74.9%; Score 26.2; DB 9; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35

Db 962 ATCACAGATCTCTCACCATGAGGTCCCGCTCAG 996

RESULT 8
US-10-411-037-57

Sequence 57, Application US/10411037
Publication No. US2004004346A1
GENERAL INFORMATION:

APPLICANT: Neose Technologies, Inc.

APPLICANT: Defrees, Shawn

APPLICANT: Zopf, David

APPLICANT: Bayer, Robert

APPLICANT: Hakes, David

APPLICANT: Chen, Xi

APPLICANT: Bove, Caryn

TITLE OF INVENTION: ALPHA GALACTOSIDASE A: REMODELING AND GLYCOCONJUGATION OF ALPHA

FILE REFERENCE: 040853-01-5082

CURRENT APPLICATION NUMBER: US/10/411,037

PRIOR FILING DATE: 2003-04-09

PRIOR APPLICATION NUMBER: US 60/328,523

PRIOR FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: US 60/344,692

PRIOR FILING DATE: 2001-10-19

PRIOR APPLICATION NUMBER: US 60/387,292

PRIOR FILING DATE: 2002-06-07

PRIOR APPLICATION NUMBER: US 60/391,777

PRIOR FILING DATE: 2002-06-25

PRIOR APPLICATION NUMBER: US 60/396,594

PRIOR FILING DATE: 2002-07-17

PRIOR APPLICATION NUMBER: US 60/404,249

PRIOR FILING DATE: 2002-08-16

PRIOR APPLICATION NUMBER: US 60/407,527

PRIOR FILING DATE: 2002-08-28

NUMBER OF SEQ ID NOS: 75

SOFTWARE: Patent version 3.2

SEQ ID NO 57

LENGTH: 8540

TYPE: DNA

ORGANISM: Homo sapiens

US-10-411-037-57

QY 1 ATCACAGATCTCTCACCATGGAARCCCGACGCKAG 35
Db 962 ATCACAGATCTCTCACCATGAGGTCCCGCTCAG 996

RESULT 9
US-10-411-026-57

Sequence 57, Application US/10411026
Publication No. US2004006391A1
GENERAL INFORMATION:

APPLICANT: Neose Technologies, Inc.

APPLICANT: Defrees, Shawn

APPLICANT: Zopf, David

APPLICANT: Bayer, Robert

APPLICANT: Hakes, David

APPLICANT: Chen, Xi

TITLE OF INVENTION: PROTEIN REMODELING METHODS AND PEPTIDES PRODUCED BY THE

FILE REFERENCE: 040853-01-5053

CURRENT APPLICATION NUMBER: US/10/411,026

PRIOR FILING DATE: 2003-04-09

PRIOR APPLICATION NUMBER: US 60/328,523

PRIOR FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: US 60/344,692

PRIOR FILING DATE: 2001-10-19

PRIOR APPLICATION NUMBER: US 60/387,292

PRIOR FILING DATE: 2002-06-07


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/ PRIOR APPLICATION NUMBER: US 60/391,777
/ PRIOR FILING DATE: 2002-06-25
/ PRIOR APPLICATION NUMBER: US 60/396,594
/ PRIOR FILING DATE: 2002-07-17
/ PRIOR APPLICATION NUMBER: US 60/404,249
/ PRIOR FILING DATE: 2002-08-16
/ PRIOR APPLICATION NUMBER: US 60/407,527
/ PRIOR FILING DATE: 2002-08-28
/ NUMBER OF SEQ ID NOS: 75
/ SOFTWARE: PatentIn version 3.2
/ LENGTH: 8540
/ SEQ ID NO 57
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-411-026-57
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Query Match          74.9%; Score 26.2; DB 13; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
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CY      1 ATCACAGATCTCTCACCATGGAARCCCGCAGCAG 35
          |||||
Db      962 ATCACAGATCTCTCACCATGAGGCTCCCGCTCAG 996
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RESULT 10

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US-10-238-681-2
/ Sequence 2, Application US/10238681
/ Publication No. US20030147885A1
/ GENERAL INFORMATION:
/ APPLICANT: ANDERSON, DARRELL R.
/ APPLICANT: HANNA, NABIL
/ APPLICANT: LEONARD, JOHN E.
/ APPLICANT: NEWMAN, ROLAND A.
/ APPLICANT: REEF, MITCHELL E.
/ APPLICANT: RASTETTER, WILLIAM H.
/ TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND RADIOLABELLED
/ TITLE OF INVENTION: ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
/ TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR TREATMENT OF B CELL
/ TITLE OF INVENTION: LYMPHOMA
/ FILE REFERENCE: 37003/0291808
/ CURRENT APPLICATION NUMBER: US/10/238,681
/ CURRENT FILING DATE: 2002-09-11
/ PRIOR APPLICATION NUMBER: 08/921,060
/ PRIOR FILING DATE: 1997-08-29
/ PRIOR APPLICATION NUMBER: 08/149,099
/ PRIOR FILING DATE: 1993-11-03
/ PRIOR APPLICATION NUMBER: 07/978,891
/ PRIOR FILING DATE: 1992-11-13
/ NUMBER OF SEQ ID NOS: 11
/ SOFTWARE: PatentIn Ver. 2.1
/ LENGTH: 8540
/ SEQ ID NO 2
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-238-681-2
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Query Match          74.9%; Score 26.2; DB 15; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
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CY      1 ATCACAGATCTCTCACCATGGAARCCCGCAGCAG 35
          |||||
Db      962 ATCACAGATCTCTCACCATGAGGCTCCCGCTCAG 996
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RESULT 11

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US-10-410-962-57
/ Sequence 57, Application US/10410962
/ Publication No. US20040077836A1
/ GENERAL INFORMATION:
/ APPLICANT: Neose Technologies, Inc.
/ APPLICANT: Defrees, Shawn
```

```
/ APPLICANT: Zopf, David
/ APPLICANT: Bayer, Robert
/ APPLICANT: Hakes, David
/ APPLICANT: Chen, Xi
/ APPLICANT: Bove, Gary
/ TITLE OF INVENTION: GRANULOCYTE COLONY STIMULATING FACTOR: REMODELING AND
/ TITLE OF INVENTION: GLYCOCONJUGATION OF G-CSF
/ FILE REFERENCE: 040853-01-5054
/ CURRENT APPLICATION NUMBER: US/10/410,962
/ CURRENT FILING DATE: 2003-04-09
/ PRIOR APPLICATION NUMBER: US 60/328,523
/ PRIOR FILING DATE: 2001-10-10
/ PRIOR APPLICATION NUMBER: US 60/344,692
/ PRIOR FILING DATE: 2001-10-19
/ PRIOR APPLICATION NUMBER: US 60/387,292
/ PRIOR FILING DATE: 2002-06-07
/ PRIOR APPLICATION NUMBER: US 60/391,777
/ PRIOR FILING DATE: 2002-06-25
/ PRIOR APPLICATION NUMBER: US 60/396,594
/ PRIOR FILING DATE: 2002-07-17
/ PRIOR APPLICATION NUMBER: US 60/404,249
/ PRIOR FILING DATE: 2002-08-16
/ PRIOR APPLICATION NUMBER: US 60/407,527
/ PRIOR FILING DATE: 2002-08-28
/ NUMBER OF SEQ ID NOS: 75
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 57
/ LENGTH: 8540
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-410-962-57
```

```
Query Match          74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
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CY      1 ATCACAGATCTCTCACCATGGAARCCCGCAGCAG 35
          |||||
Db      962 ATCACAGATCTCTCACCATGAGGCTCCCGCTCAG 996
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RESULT 12

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US-10-411-049-57
/ Sequence 57, Application US/10411049
/ Publication No. US20040082026A1
/ GENERAL INFORMATION:
/ APPLICANT: Neose Technologies, Inc.
/ APPLICANT: Defrees, Shawn
/ APPLICANT: Zopf, David
/ APPLICANT: Bayer, Robert
/ APPLICANT: Hakes, David
/ APPLICANT: Chen, Xi
/ APPLICANT: Bove, Gary
/ TITLE OF INVENTION: INTERFERON ALPHA: REMODELING AND GLYCOCONJUGATION OF INTERFERON
/ TITLE OF INVENTION: ALPHA
/ FILE REFERENCE: 040853-01-5055
/ CURRENT APPLICATION NUMBER: US/10/411,049
/ CURRENT FILING DATE: 2003-04-09
/ PRIOR APPLICATION NUMBER: US 60/328,523
/ PRIOR FILING DATE: 2001-10-10
/ PRIOR APPLICATION NUMBER: US 60/344,692
/ PRIOR FILING DATE: 2001-10-19
/ PRIOR APPLICATION NUMBER: US 60/387,292
/ PRIOR FILING DATE: 2002-06-07
/ PRIOR APPLICATION NUMBER: US 60/391,777
/ PRIOR FILING DATE: 2002-06-25
/ PRIOR APPLICATION NUMBER: US 60/396,594
/ PRIOR FILING DATE: 2002-07-17
/ PRIOR APPLICATION NUMBER: US 60/404,249
/ PRIOR FILING DATE: 2002-08-16
/ PRIOR APPLICATION NUMBER: US 60/407,527
/ PRIOR FILING DATE: 2002-08-28
/ NUMBER OF SEQ ID NOS: 75
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-411-049-57

Query Match 74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATTGAGAGGCTCCCGCTCAG 35
Db 962 ATCACAGATCTCTCACCATTGAGAGGCTCCCGCTCAG 996

RESULT 13
US-10-410-930-57
Sequence 57, Application US/10410930
Publication No. US20040115168A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bove, Caryn
TITLE OF INVENTION: INTERFERON BETA: REMODELING AND GLYCOCONTUGATION OF INTERFERON
FILE REFERENCE: 040853-01-5056
CURRENT FILING DATE: 2003-04-09
PRIOR FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-410-930-57

Query Match 74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATTGAGAGGCTCCCGCTCAG 35
Db 962 ATCACAGATCTCTCACCATTGAGAGGCTCCCGCTCAG 996

RESULT 14
US-10-410-997-57
Sequence 57, Application US/10410997
Publication No. US20040126838A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert

APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bove, Caryn
TITLE OF INVENTION: FOLICLE STIMULATING HORMONE: REMODELING AND GLYCOCONTUGATION OF
TITLE OF INVENTION: FSH
FILE REFERENCE: 040853-01-5059
CURRENT FILING DATE: US/10/410,997
PRIOR FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-410-997-57

Query Match 74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATTGAGAGGCTCCCGCTCAG 35
Db 962 ATCACAGATCTCTCACCATTGAGAGGCTCCCGCTCAG 996

RESULT 15
US-10-411-012-57
Sequence 57, Application US/10411012
Publication No. US20040132640A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bove, Caryn
TITLE OF INVENTION: GLYCOPREGYLATION METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
FILE REFERENCE: 040853-01-5051
CURRENT FILING DATE: US/10/411,012
PRIOR FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.2
SEQ ID NO 57

Mon Aug 23 09:35:11 2004

us-09-292-053a-7.rnpb

Page 7

LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-411-012-57

Query Match 74.9%; Score 26.2; DB 17; Length 8540;
Best Local Similarity 80.0%; Pred. No. 0.33;
Matches 28; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGGAARCCCCAGCKCAG 35
DB 962 ATCACAGATCTCTCACCATGGAAGGTCCCCGCTCAG 996

Search completed: August 23, 2004, 09:17:35
Job time : 110.315 secs

GenCore version 5.1.6
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OK nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 8.64261 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053a-5
Perfect score: 41
Sequence: 1 atcacagatctctccaccatg.....acatgaggtcccccctcag 41

Scoring table:
Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
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2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
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4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	100.0	41	1 US-08-478-039-39	Sequence 39, Appl
2	41	100.0	41	1 US-08-476-349A-39	Sequence 39, Appl
3	41	100.0	41	3 US-08-803-085-5	Sequence 5, Appl
4	41	100.0	41	3 US-08-523-894-32	Sequence 32, Appl
5	41	100.0	19040	4 US-09-343-485A-3	Sequence 3, Appl
6	35.4	86.3	41	1 US-08-478-039-40	Sequence 40, Appl
7	35.4	86.3	41	1 US-08-476-349A-40	Sequence 40, Appl
8	35.4	86.3	41	3 US-08-523-894-33	Sequence 33, Appl
9	29.6	72.2	39	1 US-08-290-592E-9	Sequence 9, Appl
10	29.6	72.2	39	5 PCT-US95-10053-6	Sequence 6, Appl
11	29.6	72.2	39	5 PCT-US96-09448-9	Sequence 9, Appl
12	28.4	69.3	77	2 US-07-916-098A-46	Sequence 46, Appl
13	28.4	69.3	77	2 US-07-916-098A-48	Sequence 48, Appl
14	28.4	69.3	371	4 US-09-389-681-187	Sequence 187, App
15	28.4	69.3	371	4 US-09-620-405B-187	Sequence 187, App
16	28.4	69.3	371	4 US-09-339-338-187	Sequence 187, App
17	28.4	69.3	371	4 US-09-433-826B-187	Sequence 187, App
18	28.4	69.3	371	4 US-09-604-287A-187	Sequence 187, App
19	28.4	69.3	371	4 US-09-834-759-187	Sequence 187, App
20	28.4	69.3	1701	2 US-07-916-098A-54	Sequence 54, Appl
21	28.4	69.3	1701	2 US-07-916-098A-55	Sequence 55, Appl
22	28.4	69.3	45	2 US-07-916-277A-63	Sequence 63, Appl
23	27.8	67.8	1066	1 US-08-157-101A-4	Sequence 4, Appl
24	26.4	65.9	73	2 US-07-916-098A-47	Sequence 47, Appl
25	26.4	64.4	941	4 US-09-800-729-81	Sequence 81, Appl
26	26	63.4	106	1 US-08-290-592E-26	Sequence 26, Appl
27	26	63.4	106	5 PCT-US95-10053-23	Sequence 23, Appl

28	26	63.4	106	5 PCT-US96-09448-26	Sequence 26, Appl
29	25.2	61.5	60	2 US-08-053-451B-158	Sequence 158, Appl
30	25.2	61.5	449	1 US-08-480-434-61	Sequence 61, Appl
31	25.2	61.5	449	2 US-08-053-451B-61	Sequence 61, Appl
32	25.2	61.5	847	1 US-08-053-131-184	Sequence 184, App
33	25.2	61.5	847	1 US-08-096-762-184	Sequence 184, App
34	25.2	61.5	847	3 US-09-042-353-47	Sequence 47, Appl
35	25.2	61.5	847	4 US-08-758-417A-312	Sequence 312, App
36	25	61.0	36	2 US-08-646-367-12	Sequence 12, App
37	25	61.0	48	4 US-09-472-087-111	Sequence 11, App
38	24.8	60.5	50	3 US-08-957-001B-8	Sequence 8, Appl
39	24.8	60.5	50	3 US-09-496-301-8	Sequence 8, Appl
40	24	58.5	387	1 US-08-217-918-1	Sequence 1, Appl
41	24	58.5	387	3 US-08-803-085-3	Sequence 3, Appl
42	24	58.5	390	2 US-08-646-367-2	Sequence 2, Appl
43	24	58.5	708	1 US-08-488-376-18	Sequence 18, Appl
44	24	58.5	708	2 US-08-634-223-18	Sequence 18, Appl
45	24	58.5	708	2 US-08-634-224-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-478-039-39
Sequence 39, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
APPLICANT: Newmann, Roland A.
APPLICANT: Hanna, Nabli
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,039
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Beg., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens and Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-39

Query Match 100.0%; Score 41; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGAGGTCCTCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGAGGTCCTCCGCTCAG 41

RESULT 2
US-08-476-349A-39
Sequence 39, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newnan, Roland A.
APPLICANT: Hanna, Nabil
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476.349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION/DOCKET NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens and Monkey

POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-476-349A-39

Query Match 100.0%; Score 41; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGAGGTCCTCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGAGGTCCTCCGCTCAG 41

RESULT 3
US-08-803-085-5
Sequence 5, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSER: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION/DOCKET NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-803-085-5

Query Match 100.0%; Score 41; DB 3; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGAGGTCCTCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGAGGTCCTCCGCTCAG 41

RESULT 4
US-08-523-894-32
Sequence 32, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newnan, Roland A.
APPLICANT: Reff, Mitchell E.

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
OTHER INFORMATION: referred to as "Wandy"
US-09-343-485A-3
Query Match 100.0%; Score 41; DB 4; Length 19040;
Best Local Similarity 100.0%; Pred. No. 1.6e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATGACATGAGGTCCTCCCTCAG 41
DB 7528 ATCACAGATCTCTCACCATGACATGAGGTCCTCCCTCAG 7568
RESULT 6
US-08-478-039-40
Sequence 40, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Newman, Roland A.
APPLICANT: Hanna, Nabil
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Human or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
US-08-523-894-32
Query Match 100.0%; Score 41; DB 3; Length 41;
Best Local Similarity 100.0%; Pred. No. 4.9e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATGACATGAGGTCCTCCCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGGTCCTCCCTCAG 41
RESULT 5
US-09-343-485A-3
Sequence 3, Application US/09343485A
Patent No. 6413777
GENERAL INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Barnett, Richard S.
APPLICANT: Barnett, Richard S.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-160
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-40

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
OTHER INFORMATION: referred to as "Wandy"
US-09-343-485A-3
Query Match 100.0%; Score 41; DB 4; Length 19040;
Best Local Similarity 100.0%; Pred. No. 1.6e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATCACAGATCTCTCACCATGACATGAGGTCCTCCCTCAG 41
DB 7528 ATCACAGATCTCTCACCATGACATGAGGTCCTCCCTCAG 7568
RESULT 6
US-08-478-039-40
Sequence 40, Application US/08478039
Patent No. 5681722
GENERAL INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Newman, Roland A.
APPLICANT: Hanna, Nabil
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens or Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: kappa light chain primer with BglII site
US-08-478-039-40

Query Match 86.3%; Score 35.4; DB 1; Length 41;
Best Local Similarity 90.2%; Pred. No. 9.9e-06;
Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

RESULT 7
US-08-476-349A-40
Sequence 40, Application US/08476349A
Patent No. 5750105

GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1464

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991

ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161

TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 40:

SEQUENCE CHARACTERISTICS:

LENGTH: 41 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens or Monkey

POSITION IN GENOME:

CHROMOSOME/SEGMENT: kappa light chain primer with BglII site

US-08-476-349A-40

Query Match 86.3%; Score 35.4; DB 1; Length 41;
Best Local Similarity 90.2%; Pred. No. 9.9e-06;
Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

DB 1 ATCACAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

RESULT 8
US-08-523-894-33
Sequence 33, Application US/08523894
Patent No. 6136310

GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165

TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

LENGTH: 41 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Human or Monkey

POSITION IN GENOME:

CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site

US-08-523-894-33

Query Match 86.3%; Score 35.4; DB 3; Length 41;
Best Local Similarity 90.2%; Pred. No. 9.9e-06;
Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41
DB 1 ATCACAGATCTCTCACCATGACATGAGGCTCCCGCTCAG 41

RESULT 9
US-08-290-592E-9
Sequence 9, Application US/08290592E
Patent No. 5824307

GENERAL INFORMATION:
APPLICANT: JOHNSON, L.
TITLE OF INVENTION: Human Murine Chimeric Antibodies Against
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI, STEWART &
ADDRESSEE: OLSTEIN

STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,592E
FILING DATE: August 15, 1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/813,372
FILING DATE: December 23, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Olstein, Elliot M.
REGISTRATION NUMBER: 24,025
REFERENCE/DOCKET NUMBER: 469201-257
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 NUCLEOTIDES
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: Oligonucleotide
US-08-290-592E-9

Query Match 72.2%; Score 29.6; DB 1; Length 39;
Best Local Similarity 96.7%; Pred. No. 0.0024;
Matches 29; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 12 CTCACCATGACATGAGGTCCTCCGCTCAG 41
DB 9 CTCACCATGACATGAGGTCCTCCGCTCAG 38

RESULT 10
PCT-US95-10053-6
Sequence 6, Application PC/TUS95:10053
GENERAL INFORMATION:
APPLICANT: JOHNSON, L.
TITLE OF INVENTION: Human Murine Chimeric Antibodies Against Respiratory Syncytial
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10053
FILING DATE: Concurrently
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,592
FILING DATE: August 15, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/813,372
FILING DATE: December 23, 1991
ATTORNEY/AGENT INFORMATION:

NAME: FERRARO, GREGORY D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 469201-274
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: Oligonucleotide
PCT-US95-10053-6

Query Match 72.2%; Score 29.6; DB 5; Length 39;
Best Local Similarity 96.7%; Pred. No. 0.0024;
Matches 29; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 12 CTCACCATGACATGAGGTCCTCCGCTCAG 41
DB 9 CTCACCATGACATGAGGTCCTCCGCTCAG 38

RESULT 11
PCT-US96-09448-9
Sequence 9, Application PC/TUS9609448
GENERAL INFORMATION:
APPLICANT: JOHNSON, L.
TITLE OF INVENTION: Human Murine Chimeric Antibodies Against Respiratory Syncytial
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09448
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,592
FILING DATE: August 15, 1994
APPLICATION NUMBER: 07/813,372
FILING DATE: December 23, 1991
ATTORNEY/AGENT INFORMATION:
NAME: HERRON, CHARLES J.
REGISTRATION NUMBER: 28,019
REFERENCE/DOCKET NUMBER: 469201-257
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 NUCLEOTIDES
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: Oligonucleotide
PCT-US96-09448-9

Query Match 72.2%; Score 29.6; DB 5; Length 39;
Best Local Similarity 96.7%; Pred. No. 0.0024;
Matches 29; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

GenCore version 5.1.6
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OK nucleic - nucleic search, using sw model1

Run on: August 22, 2004, 22:56:57 ; Search time 86.6369 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-4

Perfect score: 411

Sequence: 1 atgagatttgagctgagctg.....tccctgctaccgctctctca 411

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:
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2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	407.8	99.2	411	3	US-08-803-085-4 ✓ Sequence 4, Appli
2	361.6	88.0	13040	4	US-09-343-485A-3 Sequence 3, Appli
3	263	64.0	432	1	US-08-026-330A-1 Sequence 1, Appli
4	257.8	62.7	1392	4	US-09-472-087-27 Sequence 27, Appli
5	257.8	62.7	1392	4	US-09-472-087-53 Sequence 53, Appli
6	257.8	62.7	1392	4	US-09-472-087-55 Sequence 55, Appli
7	257.8	62.7	1392	4	US-09-472-087-54 Sequence 54, Appli
8	256.4	62.4	1395	4	US-09-472-087-28 Sequence 28, Appli
9	256.4	62.4	1395	4	US-09-472-087-57 Sequence 57, Appli
10	255.8	62.2	1392	4	US-09-472-087-10 Sequence 30, Appli
11	255.8	62.2	1392	4	US-09-472-087-59 Sequence 59, Appli
12	255.4	62.1	393	1	US-08-253-372A-3 Sequence 3, Appli
13	255.4	62.1	393	1	US-08-468-671-3 Sequence 61, Appli
14	247.6	60.2	1413	4	US-09-472-087-61 Sequence 61, Appli
15	245	59.6	423	1	US-08-259-372A-1 Sequence 1, Appli
16	245	59.6	423	1	US-08-468-671-1 Sequence 1, Appli
17	239.4	58.2	743	3	US-08-545-809A-21 Sequence 21, Appli
18	239.4	58.2	743	3	US-08-545-809A-48 Sequence 48, Appli
19	238.8	58.1	715	3	US-08-545-809A-11 Sequence 11, Appli
20	235	57.2	417	3	US-08-134-346A-49 Sequence 49, Appli
21	230.8	56.2	514	3	US-08-545-809A-23 Sequence 23, Appli
22	229	55.7	405	3	US-08-619-491-7 Sequence 7, Appli
23	229	55.7	405	5	PCT-US95-07302-7 Sequence 7, Appli
24	228.4	55.6	426	1	US-08-305-683A-1 Sequence 1, Appli
25	227.4	55.3	1572	3	US-09-049-672A-18 Sequence 18, Appli
26	226.6	55.1	649	3	US-08-545-809A-64 Sequence 64, Appli
27	225.6	54.9	413	1	US-08-253-877C-56 Sequence 56, Appli

28	225.6	54.9	413	2	US-08-452-164A-56 Sequence 56, Appli
29	223.2	54.8	418	1	US-07-977-696C-27 Sequence 27, Appli
30	225.2	54.8	418	1	US-08-129-930B-27 Sequence 27, Appli
31	225.2	54.8	418	1	US-08-976-288A-27 Sequence 27, Appli
32	224.6	54.6	543	3	US-08-862-124-1 Sequence 1, Appli
33	224.6	54.6	543	3	US-08-862-124-3 Sequence 3, Appli
34	224	54.5	908	4	US-09-273-839A-9 Sequence 9, Appli
35	223.8	54.5	354	2	US-08-652-816A-21 Sequence 21, Appli
36	223.2	54.3	354	2	US-08-652-816A-22 Sequence 22, Appli
37	222.4	54.1	348	2	US-08-652-816A-24 Sequence 24, Appli
38	222	54.0	474	2	US-08-653-402B-5 Sequence 5, Appli
39	221.8	54.0	724	3	US-08-646-367-1 Sequence 53, Appli
40	220.4	53.6	423	2	US-08-646-367-1 Sequence 1, Appli
41	220.4	53.6	675	4	US-09-456-090A-59 Sequence 59, Appli
42	220.4	53.6	675	4	US-09-456-090A-91 Sequence 20, Appli
43	220.2	53.6	514	3	US-08-545-809A-20 Sequence 55, Appli
44	219.8	53.5	677	4	US-09-456-090A-55 Sequence 10, Appli
45	219.6	53.4	445	1	US-08-053-171-10 Sequence 10, Appli

ALIGNMENTS

RESULT 1
US-08-803-085-4
Sequence 4, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REEP, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHEIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 411 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..411
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 56..411
US-08-803-085-4
Query Match 99.2%, Score 407.8, DB 3, Length 411,

QY 1 ATGAGGTTGGGCTAGCGCGGGTTTCTCTTCTCTCTTTGAAGGTGTCAGTGATAG 60
Db 9436 ATGGGTTGAGCCTCATCTTCTCTTCTCTTGTGCTGTAGCGCTGTCTGTCTCGAG 9495
QY 61 GTGCACGTGGTGAAGTCTTGCGGCGCGCTTGGCAAAAGCTGGGCGGTCTCTGAGACTTCC 120
Db 9496 GTGCACCTGGTGAAGTCTTGCGGCGCGCTTGGCAAAAGCTGGGCGGTCTCTGAGACTTCC 9555

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; CELL LINE: L612
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..432
; OTHER INFORMATION: /function="Heavy Chain"
;

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OTHER INFORMATION: /product= "Immunoglobulin Variable Region"
OTHER INFORMATION: /standard_name= "Humab L612 Heavy Chain Variable
FEATURE:
NAME/KEY: misc_feature
LOCATION: 148..162 /function= "Complementary
OTHER INFORMATION: determining region 1 (CDR1)"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 271..300 /function= "Complementary
OTHER INFORMATION: determining region 2 (CDR2)"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 397..429 /function= "Complementary
OTHER INFORMATION: determining region 3 (CDR3)"
US-08-026-320A-1

Query Match      64.0%; Score 263; DB 1; Length 432;
Best Local Similarity 80.4%; Pred. No. 2.8e-70;
Matches 340; Conservative 0; Mismatches 65; Indels 18; Gaps 2;

QY 1 ATGAGATTGGAGCTGAGCTGGGTTTCTTCTTCTTTGAAAGTGTCCAGTGTAG 60
DB 1 ATGAGATTGGAGCTGAGCTGGGTTTCTTCTTCTTTGAAAGTGTCCAGTGTAG 60
QY 61 GTGCACTGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGCTCTGAGACTCTCC 120
DB 61 GTGCACTGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGCTCTGAGACTCTCC 120
QY 121 TGGCAGAGCTCCGGGTTGAGTTCACTTCAATACCTACTCATGAGACTGGGTCGGCAG 180
DB 121 TGGCAGAGCTCCGGGTTGAGTTCACTTCAATACCTACTCATGAGACTGGGTCGGCAG 180
QY 121 TGTGAGCGCTCTG-----GATTCACTTTAGCACTGTGCCAAGAGTGGGTCGCCAG 174
DB 121 TGTGAGCGCTCTG-----GATTCACTTTAGCACTGTGCCAAGAGTGGGTCGCCAG 174
QY 181 GCTCCAGGAGAGGAGGCTGAGTGGGTTCTCAAGTATTAGTAGTGTGATCCACATGG 240
DB 175 GCTCCAGGAGAGGAGGCTGAGTGGGTTCTCAAGTATTAGTAGTGTGATCCACATGG 240
QY 175 GCTCCAGGAGAGGAGGCTGAGTGGGTTCTCAAGTATTAGTAGTGTGATCCACATGG 240
DB 241 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 300
QY 241 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 300
DB 241 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 300
QY 235 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 294
DB 235 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 294
QY 301 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGCA----- 355
DB 295 TATCTGCAAAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGCAAGGT 354
QY 356 -----GCTGACTACAGGGTCTGACTCTGGGGCCAGGGAGTCTGTGACCGTCTCC 408
DB 355 GGCACAGATATTGTGACTGTGTATTATGCTGGGGCCAGGGAGACCTGTGACCGTCTCC 414
QY 409 TCA 411
DB 415 TCA 417

RESULT 4
US-09-472-087-27
; Sequence 27, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK U.
; APPLICANT: MOELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOPFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PFI
; CURRENT APPLICATION NUMBER: US/09/472,087
; CURRENT FILING DATE: 1999-12-23
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PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 27
LENGTH: 1392
TYPE: DNA
ORGANISM: Homo sapiens
US-09-472-087-27

Query Match      62.7%; Score 257.8; DB 4; Length 1392;
Best Local Similarity 79.9%; Pred. No. 1.8e-68;
Matches 333; Conservative 0; Mismatches 72; Indels 12; Gaps 2;

QY 1 ATGAGATTGGAGCTGAGCTGGGTTTCTTCTTCTTTTGAAGTGTCCAGTGTAG 60
DB 1 ATGAGATTGGAGCTGAGCTGGGTTTCTTCTTCTTTTGAAGTGTCCAGTGTAG 60
QY 61 GTGCACTGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGCTCTGAGACTCTCC 120
DB 61 GTGCACTGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGCTCTGAGACTCTCC 120
QY 121 TGGCAGAGCTCCGGGTTGAGTTCACTTCAATACCTACTCATGAGACTGGGTCGCCAG 180
DB 121 TGGCAGAGCTCCGGGTTGAGTTCACTTCAATACCTACTCATGAGACTGGGTCGCCAG 180
QY 121 TGTGAGCGCTCTG-----GATTCACTTCAAGTATGATGATGATCCACATGG 240
DB 181 GCTCCAGGAGAGGAGGCTGAGTGGGTTCTCAAGTATTAGTAGTGTGATCCACATGG 240
QY 175 GCTCCAGGAGAGGAGGCTGAGTGGGTTCTCAAGTATTAGTAGTGTGATGAAATAATATAC 234
DB 175 GCTCCAGGAGAGGAGGCTGAGTGGGTTCTCAAGTATTAGTAGTGTGATGAAATAATATAC 234
QY 241 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 300
DB 235 TACGAGACTCCGTGAAGGAGGAGTTCACATCTCCAGAGAGAACGCAACACACTG 294
QY 301 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGAGACTGG 360
DB 295 TTCTCTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGAGAGAGGA 354
QY 361 ACT-----ACAGGCTCTGACTCTCTGGGGCCAGGGAGTCTGTGTCACCGTCTCTCA 411
DB 355 GGTCACTGTGCTCTTTTGAATCTAGTGTGGGCGAGGAGAACCTGTGTCACCGTCTCTCA 411

RESULT 5
US-09-472-087-53
; Sequence 53, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK U.
; APPLICANT: MOELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOPFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PFI
; CURRENT APPLICATION NUMBER: US/09/472,087
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 53
; LENGTH: 1392
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-472-087-53

Query Match      62.7%; Score 257.8; DB 4; Length 1392;
Best Local Similarity 79.9%; Pred. No. 1.8e-68;
Matches 333; Conservative 0; Mismatches 72; Indels 12; Gaps 2;
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QY 1 ATGAGATTGGGCTGAGTGGGTTTTCCTTTCTTTGTAAGGTGTCAGTGTAG 60
Db 1 ATGAGATTGGGCTGAGTGGGTTTTCCTTTCTTTGTAAGGTGTCAGTGTAG 60
QY 61 GTGCACTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCCGTGAGTCTCC 120
Db 61 GTGCACTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCCGTGAGTCTCC 120
QY 121 TGGCAGCTCCGGGTTGAGTTTCACTTCAATTAAGTATGAGTGTGAGTGTG 180
Db 121 TGGTGTAGCTCTG-----GATTCACTTCAGTAGCAGTATGAGTGTGAGTGTG 174
QY 181 GCTCCAGGAGGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 240
Db 175 GCTCCAGGAGGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 234
QY 241 TAGCAGACTCCGTGAGAGGAGATTCACCATCTCCAGAGAGAGCCCAACACACTG 300
Db 235 TAGCAGACTCCGTGAGAGGAGGAGTTCACCATCTCCAGAGAGAGCCCAACAGCTG 294
QY 301 TTTCTCAATGAACAGCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 360
Db 295 TTTCTCAATGAACAGCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 354
QY 361 ACT-----ACAGGCTGTGACTCTGAGGAGGAGTGTGAGTGTGAGTGTG 411
Db 355 GGTCACTTGGTCTTTTGTACTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411

RESULT 6
US-09-472-087-55
Sequence 55, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVER, MARK J.
APPLICANT: MOELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALLAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PFI
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 55
LENGTH: 1392
TYPE: DNA
ORGANISM: Homo sapiens
US-09-472-087-55

Query Match 62.7%; Score 257.8; DB 4; Length 1392;
Best Local Similarity 79.9%; Pred. No. 1.8e-68;
Matches 333; Conservative 0; Mismatches 72; Indels 12; Gaps 2;
QY 1 ATGAGATTGGGCTGAGTGGGTTTTCCTTTCTTTGTAAGGTGTCAGTGTAG 60
Db 1 ATGAGATTGGGCTGAGTGGGTTTTCCTTTCTTTGTAAGGTGTCAGTGTAG 60
QY 61 GTGCACTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCCGTGAGTCTCC 120
Db 61 GTGCACTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCCGTGAGTCTCC 120
QY 121 TGGCAGCTCCGGGTTGAGTTTCACTTCAATTAAGTATGAGTGTGAGTGTG 180
Db 121 TGGTGTAGCTCTG-----GATTCACTTCAGTAGCAGTATGAGTGTGAGTGTG 174
QY 181 GCTCCAGGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 240
Db 175 GCTCCAGGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 234

Db 175 GCTCCAGGAGGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 234
QY 241 TAGCAGACTCCGTGAGAGGAGATTCACCATCTCCAGAGAGAGCCCAACACACTG 300
Db 235 TAGCAGACTCCGTGAGAGGAGGAGTTCACCATCTCCAGAGAGAGCCCAACAGCTG 294
QY 301 TTTCTCAATGAACAGCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 360
Db 295 TTTCTCAATGAACAGCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 354
QY 361 ACT-----ACAGGCTGTGACTCTGAGGAGGAGTGTGAGTGTGAGTGTG 411
Db 355 GGTCACTTGGTCTTTTGTACTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411

RESULT 7
US-09-472-087-54
Sequence 54, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVER, MARK J.
APPLICANT: MOELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALLAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PFI
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 54
LENGTH: 1999
TYPE: DNA
ORGANISM: Homo sapiens
US-09-472-087-54

Query Match 62.7%; Score 257.8; DB 4; Length 1999;
Best Local Similarity 79.9%; Pred. No. 2.1e-68;
Matches 333; Conservative 0; Mismatches 72; Indels 12; Gaps 2;
QY 1 ATGAGATTGGGCTGAGTGGGTTTTCCTTTCTTTGTAAGGTGTCAGTGTAG 60
Db 1 ATGAGATTGGGCTGAGTGGGTTTTCCTTTCTTTGTAAGGTGTCAGTGTAG 60
QY 61 GTGCACTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCCGTGAGTCTCC 120
Db 61 GTGCACTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCCGTGAGTCTCC 120
QY 121 TGGCAGCTCCGGGTTGAGTTTCACTTCAATTAAGTATGAGTGTGAGTGTG 180
Db 121 TGGTGTAGCTCTG-----GATTCACTTCAGTAGCAGTATGAGTGTGAGTGTG 174
QY 181 GCTCCAGGAGGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 240
Db 175 GCTCCAGGAGGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 234
QY 241 TAGCAGACTCCGTGAGAGGAGATTCACCATCTCCAGAGAGAGCCCAACACACTG 300
Db 235 TAGCAGACTCCGTGAGAGGAGGAGTTCACCATCTCCAGAGAGAGCCCAACAGCTG 294
QY 301 TTTCTCAATGAACAGCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 360
Db 295 TTTCTCAATGAACAGCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG 354
QY 361 ACT-----ACAGGCTGTGACTCTGAGGAGGAGTGTGAGTGTGAGTGTG 411
Db 355 GGTCACTTGGTCTTTTGTACTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411

Best Local Similarity 81.1%; Pred. No. 7.2e-68;
Matches 338; Conservative 0; Mismatches 67; Indels 12; Gaps 3;

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QY 1 ATGAGATTGGGCTAGAGCTGGGTTTCTGTTCTCTTTTGAAGAGTGCAGTGTAG 60
Db 1 ATGAGATTGGGCTAGAGCTGGGTTTCTGTTCTCTTTTGAAGAGTGCAGTGTAG 60
QY 61 GTGCACTGTGTGAGTCTGGGGGGCGCTTGGCAAGGCTGGGGGGTCCCTGAGACTGTC 120
Db 61 GTGCACTGTGTGAGTCTGGGGGGCGCTTGGCGAGGCTGGGGAGGTCCTGAGACTGTC 120
QY 121 TGGCAGAGCTCCGGGTTGAGTTGAGCTTCACTTCACTCACTGAGTGGGTCGGCAG 180
Db 121 TGGCAGAGCTCCGGGTTGAGTTGAGCTTCACTTCACTCACTGAGTGGGTCGGCAG 180
QY 121 TTTAAGAGCTCTG-----GATTCACTTCACTGATTATGCGATGACATCCAGCTG 174
Db 121 TTTAAGAGCTCTG-----GATTCACTTCACTGATTATGCGATGACATCCAGCTG 174
QY 181 GCTCCAGGCGAGGCGCTGAGTGGTCTCAGCTATTAGTAGTGTGATCCACATGG 240
Db 175 GCTCCAGGCGAGGCGCTGAGTGGTGGAGTATATGATGATGAGCAATTAACAC 234
QY 241 TACGAGAGTCTCGTGAAGGCGAGATTCAACATCTCCAGAGAGAACCAACACACTG 300
Db 235 TATGAGAGTCTCGGCAAGGCGGATTCAACATCTCCAGAGCAATTCAGAGACGCTG 294
QY 301 TTTCTTCAATGAACAGCTGAGAGCTGAGACAGCGCTGCTATTACTGTGC--GAGCT 358
Db 295 TATCTGCAATGAACAGAGCTGAGAGCCGAGACAGAGCAAGCTGTGTATTACTGTGCGAGAGCC 354
QY 359 TGACTACAGG-----TCTGACTCTGCGGGCCAGGGAGTCTGATCACTGCTCA 411
Db 355 GGACTGCTGGTTACTTTGACTACTGCGGCGCAGGAGACCTGGTCACTGCTCA 411
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RESULT 11

US-09-472-087-59
Sequence 39, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MUELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PFI
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 59
LENGTH: 1392
TYPE: DNA
ORGANISM: Homo sapiens
US-09-472-087-59

Query Match 62.2%; Score 255.8; DB 4; Length 1392;
Best Local Similarity 81.1%; Pred. No. 7.2e-68;
Matches 338; Conservative 0; Mismatches 67; Indels 12; Gaps 3;

```
QY 1 ATGAGATTGGGCTAGAGCTGGGTTTCTGTTCTCTTTTGAAGAGTGTCCAGTGTAG 60
Db 1 ATGAGATTGGGCTAGAGCTGGGTTTCTGTTCTCTTTTGAAGAGTGTCCAGTGTAG 60
QY 61 GTGCACTGTGTGAGTCTGGGGGGCGCTTGGCAAGGCTGGGGGGTCCCTGAGACTGTC 120
Db 61 GTGCACTGTGTGAGTCTGGGGGGCGCTTGGCGAGGCTGGGGAGGTCCTGAGACTGTC 120
QY 121 TGGCAGAGCTCCGGGTTGAGTTGAGCTTCACTTCACTCACTGAGTGGGTCGGCAG 180
Db 121 TGGCAGAGCTCCGGGTTGAGTTGAGCTTCACTTCACTCACTGAGTGGGTCGGCAG 180
QY 121 TGTACAGAGCTCTG-----GATTCACTTCACTGATTATGCGATGACATCCAGCTG 174
Db 121 TGTACAGAGCTCTG-----GATTCACTTCACTGATTATGCGATGACATCCAGCTG 174
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QY 181 GCTCCAGGCGAGGCGCTGAGTGGTCTCAGCTATTAGTAGTGTGATCCACATG 240
Db 175 GCTCCAGGCGAGGCGCTGAGTGGTGGAGCTTATATGATGATGAGCAATTAACAC 234
QY 241 TACGAGAGTCTCGTGAAGGCGAGATTCAACATCTCCAGAGAGAACCAACACACTG 300
Db 235 TATGAGAGTCTCGGCAAGGCGGATTCAACATCTCCAGAGCAATTCAGAGACGCTG 294
QY 301 TTTCTTCAATGAACAGCTGAGAGCTGAGACAGCGCTGCTATTACTGTGC--GAGCT 358
Db 295 TATCTGCAATGAACAGAGCTGAGAGCCGAGACAGAGCTGTGTATTACTGTGCGAGAGCC 354
QY 359 TGACTACAGG-----TCTGACTCTGCGGGCCAGGGAGTCTGATCACTGCTCA 411
Db 355 GGACTGCTGGTTACTTTGACTACTGCGGCGCAGGAGACCTGGTCACTGCTCA 411
```

RESULT 12

US-08-259-372A-3
Sequence 3, Application US/08259372A
Patent No. 558354
GENERAL INFORMATION:
APPLICANT: Osceola, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,372A
FILING DATE: 14-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-2400
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 393 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: Hybridoma
CELL LINE: ZM1-1
FEATURE:
NAME/KEY: CDS
LOCATION: 1..393
US-08-259-372A-3

Query Match 62.1%; Score 255.4; DB 1; Length 393;
Best Local Similarity 82.0%; Pred. No. 5.5e-68;
Matches 337; Conservative 0; Mismatches 56; Indels 18; Gaps 3;

QY 1 ATGAGATTGGAGCTGAGCTGGAGTTTCTTCTTCTTTGAAAGGTGTCAGTGGAG 60
Db 1 ATGAGATTGGAGCTGAGCTGGAGTTTCTTCTTCTTTGAAAGGTGTCAGTGGAG 60
QY 61 GTGACAGCTGGAGAGTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
Db 61 GTGACAGCTGGAGAGTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
QY 121 TGCGAGAGCTCGAGGAGTTCAGGTTCACTTCAATTAATACTATGAGAGTGGAGGAG 180
Db 121 TGCGAGAGCTCGAGGAGTTCAGGTTCACTTCAATTAATACTATGAGAGTGGAGGAG 180
QY 121 TGCGAGAGCTCGAGGAGTTCAGGTTCACTTCAATTAATACTATGAGAGTGGAGGAG 174
Db 121 TGCGAGAGCTCGAGGAGTTCAGGTTCACTTCAATTAATACTATGAGAGTGGAGGAG 174
QY 181 GCTCCAGGAGGAGGAGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAG 240
Db 181 GCTCCAGGAGGAGGAGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAG 240
QY 175 GCTACAGAGAAAGGCTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAG 231
Db 175 GCTACAGAGAAAGGCTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAG 231
QY 241 TACGACAGCTCCGTAAGGAGGAGATTCACATCTCCAGAGAGAGGAGGAGGAGGAGGAG 300
Db 241 TACGACAGCTCCGTAAGGAGGAGATTCACATCTCCAGAGAGAGGAGGAGGAGGAGGAG 300
QY 232 TATGACAGCTCCGTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 291
Db 232 TATGACAGCTCCGTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 291
QY 301 TTCTCTCAATGAACAGCTTGAAGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
Db 301 TTCTCTCAATGAACAGCTTGAAGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
QY 292 TATCTTCAATGAACAGGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
Db 292 TATCTTCAATGAACAGGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
QY 361 ACTACAGGAGTGAATCTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411
Db 361 ACTACAGGAGTGAATCTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411
QY 348 -----AGATTAGAACTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 393
Db 348 -----AGATTAGAACTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 393

RESULT 13

US-08-468-671-3
Sequence 3, Application US/08468671
Parent No. 5648077

GENERAL INFORMATION:
APPLICANT: Oetberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSER: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,671
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/259,372

FILING DATE: 14-JUN-1994
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELEPHONE: (415) 326-2400
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 393 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: Hybridoma
CELL LINE: ZM1-1
FEATURE:
NAME/KEY: CDS
LOCATION: 1..393
US-08-468-671-3

Query Match 62.1%; Score 255.4; DB 1; Length 393;
Best Local Similarity 82.0%; Pred. No. 5.5e-68;
Matches 337; Conservative 0; Mismatches 56; Indels 18; Gaps 3;

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Db 1 ATGAGATTGGAGCTGAGCTGGAGTTTCTTCTTCTTTGAAAGGTGTCAGTGGAG 60
QY 61 GTGACAGCTGGAGAGTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
Db 61 GTGACAGCTGGAGAGTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 120
QY 121 TGCGAGAGCTCGAGGAGTTCAGGTTCACTTCAATTAATACTATGAGAGTGGAGGAG 180
Db 121 TGCGAGAGCTCGAGGAGTTCAGGTTCACTTCAATTAATACTATGAGAGTGGAGGAG 180
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QY 175 GCTACAGAGAAAGGCTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAG 231
Db 175 GCTACAGAGAAAGGCTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAG 231
QY 241 TACGACAGCTCCGTAAGGAGGAGATTCACATCTCCAGAGAGAGGAGGAGGAGGAGGAG 300
Db 241 TACGACAGCTCCGTAAGGAGGAGATTCACATCTCCAGAGAGAGGAGGAGGAGGAGGAG 300
QY 232 TATGACAGCTCCGTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 291
Db 232 TATGACAGCTCCGTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 291
QY 301 TTCTCTCAATGAACAGCTTGAAGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
Db 301 TTCTCTCAATGAACAGCTTGAAGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
QY 292 TATCTTCAATGAACAGGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
Db 292 TATCTTCAATGAACAGGCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
QY 361 ACTACAGGAGTGAATCTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411
Db 361 ACTACAGGAGTGAATCTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 411

Db 348 -----AGATTGAACTGTGGGCGAGGAACTGTCACCGTCTCTCA 393

RESULT 14

US-09-472-087-61
Sequence 61, Application US/09472087

Patent No. 6682736

GENERAL INFORMATION:

APPLICANT: HANSON, DOUGLAS C.

APPLICANT: NEVEU, MARK J.

APPLICANT: MUELLER, BILLEN E.

APPLICANT: HANKE, JEFFREY H.

APPLICANT: GILMAN, STEVEN C.

APPLICANT: DAVIS, C. JOSEPH

APPLICANT: CORVALAN, JOSE R.

FILE REFERENCE: ABX-PFI

CURRENT APPLICATION NUMBER: US/09/472,087

PRIOR FILING DATE: 1999-12-23

PRIOR FILING DATE: 1998-12-23

NUMBER OF SEQ ID NOS: 147

SOFTWARE: Patent In Ver. 2.1

SEQ ID NO: 61

LENGTH: 1413

TYPE: DNA

ORGANISM: Homo sapiens

US-09-472-087-61

Query Match 60.2%; Score 247.6; DB 4; Length 1413;

Best Local Similarity 83.1%; Pred. No. 2.2e-65;

Matches 296; Conservative 0; Mismatches 54; Indels 6; Gaps 1;

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Db 1 ATGGAATTGGGCTGAGCTGGGTTTCTCTCTTTTGAAGGTGTCACGCTGAG 60

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Db 1 ATGGAATTGGGCTGAGCTGGGTTTCTCTCTTTTGAAGGTGTCACGCTGAG 60

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Db 1 ATGGAATTGGGCTGAGCTGGGTTTCTCTCTTTTGAAGGTGTCACGCTGAG 60

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ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/259,372A

FILING DATE: 14-JUN-1994

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/871,426

FILING DATE: 21-APR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/676,036

FILING DATE: 27-MAR-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/538,796

FILING DATE: 15-JUN-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/192,754

FILING DATE: 11-MAY-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 06/925,196

FILING DATE: 31-OCT-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 06/904,517

FILING DATE: 05-SEP-1986

ATTORNEY/AGENT INFORMATION:

NAME: Smith, William M.

REGISTRATION NUMBER: 30,223

REFERENCE/DOCKET NUMBER: 11823-50-7

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TELEPHONE: (415) 326-2400

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 423 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

CELL TYPE: Hybridoma

CELL LINE: PE1-1

FEATURE:

NAME/KEY: CDS

LOCATION: 1..423

US-08-259-372A-1

Query Match 59.6%; Score 245; DB 1; Length 423;

Best Local Similarity 82.8%; Pred. No. 8e-65;

Matches 294; Conservative 0; Mismatches 55; Indels 6; Gaps 1;

Db 1 ATGGAATTGGGCTGAGCTGGGTTTCTCTCTTTTGAAGGTGTCACGCTGAG 60

Db 1 ATGGAATTGGGCTGAGCTGGGTTTCTCTCTTTTGAAGGTGTCACGCTGAG 60

Db 1 ATGGAATTGGGCTGAGCTGGGTTTCTCTCTTTTGAAGGTGTCACGCTGAG 60

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Db 1 ATGGAATTGGGCTGAGCTGGGTTTCTCTCTTTTGAAGGTGTCACGCTGAG 60

Db 1 ATGGAATTGGGCTGAGCTGGGTTTCTCTCTTTTGAAGGTGTCACGCTGAG 60

QY 241 TACGAGACTCCGTGAAGGCGAGATTGACCATCTCCAGAGGAAAGCCCAACACACTG 300
Db 235 TATGCACTCTCCGTGAAGGCGCGATTGACCATCTCCAGAGCAATTCCAGACACTCTG 294
QY 301 TTCTTCAAAATGAACAGCCTGAGAGCTGAGGACACGGCTGTCTATTACTGTGCGA 355
Db 295 TTCTGCAAAATGACAGCCTGAGAGCTGCGGACACGGGTGTATTACTGTGCGA 349

Search completed: August 23, 2004, 00:13:54
Job time : 87.6369 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 109.315 Seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053A-6

Perfect score: 35
Sequence: 1 atccagatctctcaccatgaggtccctccgtcag 35

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3228839 seqs, 2456066551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	35	100.0	35	US-09-019-441-6	Sequence 6, Appl
2	35	100.0	35	US-10-103-686-6	Sequence 6, Appl
3	31.8	90.9	8540	US-09-011-692-2	Sequence 2, Appl
4	31.8	90.9	8540	US-09-011-703-2	Sequence 2, Appl
5	31.8	90.9	8540	US-10-411-037-57	Sequence 57, Appl
6	31.8	90.9	8540	US-10-411-026-57	Sequence 57, Appl
7	31.8	90.9	8540	US-10-238-681-2	Sequence 57, Appl
8	31.8	90.9	8540	US-10-410-962-57	Sequence 57, Appl
9	31.8	90.9	8540	US-10-411-049-57	Sequence 57, Appl
10	31.8	90.9	8540	US-10-410-930-57	Sequence 57, Appl
11	31.8	90.9	8540	US-10-410-997-57	Sequence 57, Appl
12	31.8	90.9	8540	US-10-411-012-57	Sequence 57, Appl
13	31.8	90.9	8540	US-10-287-994-57	Sequence 57, Appl
14	31.8	90.9	8540	US-10-410-913-57	Sequence 57, Appl

15	31.8	90.9	8541	10	US-09-905-928-1	Sequence 1, Appl
16	31.8	90.9	8541	15	US-10-086-964-1	Sequence 1, Appl
17	29	82.9	37	9	US-09-850-165-62	Sequence 62, Appl
18	29	82.9	37	15	US-10-211-357-31	Sequence 31, Appl
19	27.6	78.9	3548	15	US-10-295-823-3	Sequence 3, Appl
20	27.2	77.7	100	9	US-09-969-139-8	Sequence 8, Appl
21	25.6	73.1	40	16	US-10-389-221-20	Sequence 16, Appl
22	25.4	72.6	9569	13	US-10-147-849-16	Sequence 13, Appl
23	25	71.4	35	10	US-09-019-441-7	Sequence 7, Appl
24	25	71.4	35	15	US-10-103-686-61	Sequence 7, Appl
25	25	71.4	35	10	US-10-158-846-61	Sequence 61, Appl
26	24	68.6	299	10	US-09-918-995-7523	Sequence 7523, Ap
27	23.4	66.9	396	15	US-10-106-698-2496	Sequence 2496, Ap
28	23.4	66.9	463	13	US-10-395-894-16	Sequence 16, Appl
29	23.4	66.9	463	13	US-10-395-894-24	Sequence 24, Appl
30	23.4	66.9	478	13	US-10-395-894-32	Sequence 32, Appl
31	23.4	66.9	562	9	US-09-864-761-14917	Sequence 14917, A
32	23.4	66.9	592	13	US-10-027-632-241613	Sequence 241613,
33	23.4	66.9	592	13	US-10-027-632-241614	Sequence 241614,
34	23.4	66.9	592	13	US-10-027-632-241615	Sequence 241615,
35	23.4	66.9	592	16	US-10-027-632-241613	Sequence 241613,
36	23.4	66.9	592	16	US-10-027-632-241614	Sequence 241614,
37	23.4	66.9	592	16	US-10-027-632-241615	Sequence 241615,
38	23.4	66.9	594	10	US-09-871-161-197	Sequence 357, App
39	23.4	66.9	594	15	US-10-198-846-10899	Sequence 10899, A
40	23.4	66.9	611	15	US-10-198-846-10899	Sequence 10899, A
41	23.4	66.9	916	15	US-10-198-846-10899	Sequence 10899, A
42	23.4	66.9	944	15	US-10-198-846-12832	Sequence 12832, A
43	23.4	66.9	968	10	US-09-992-600A-7	Sequence 7, Appl
44	23.4	66.9	968	10	US-09-924-340-7	Sequence 7, Appl
45	23.4	66.9	968	10	US-09-992-095B-7	Sequence 7, Appl

ALIGNMENTS

RESULT 1
US-09-019-441-6
; Sequence 6, Application US/09019441
; Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: REPP, Mitchell E.
NANAWORA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWICKER & MATHIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-Feb-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teekin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-019-441-6

Query Match 100.0%; Score 35; DB 10; Length 35;
Best Local Similarity 100.0%; Pred. No. 3.3e-05;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 2
US-10-103-686-6
Sequence 6, Application US/10103686
Publication No.: US20030059424A1
GENERAL INFORMATION:

APPLICANT: REF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko

TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria

STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/103,686
FILING DATE: 25-Mar-2002

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997

ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353

TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-10-103-686-6

Query Match 100.0%; Score 35; DB 15; Length 35;
Best Local Similarity 100.0%; Pred. No. 3.3e-05;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35

RESULT 3
US-09-911-692-2

Sequence 2, Application US/09911692
Publication No. US2003009563A1
GENERAL INFORMATION:

APPLICANT: ANDERSON, Darrell R.
HANNA, Nabill

LEONARD, John E.
NEWMAN, Roland A.

REF, Mitchell E.
PASTERSTER, William H.

THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA

NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria

STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,692
FILING DATE: 25-Jul-2001

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/149,099C
FILING DATE: 03-NOV-1993

APPLICATION NUMBER: US 07/978,891
FILING DATE: 12-NOV-1992

ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014

TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 35 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)
HYPOTHEICAL: NO

ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-911-692-2

Query Match 90.9%; Score 31.8; DB 10; Length 8530;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 952 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 986

RESULT 4
US-09-911-703-2

Sequence 2, Application US/09911703
Publication No. US20020197255A1
GENERAL INFORMATION:

APPLICANT: ANDERSON, Darrell R.
HANNA, Nabill

LEONARD, John E.
NEWMAN, Roland A.
REEF, Mitchell E.
PASTERETTER, William H.
THERAPEUTIC APPLICATION OF CHIMERIC AND
RADIOLABELLED ANTIBODIES TO HUMAN B LYMPHOCYTES RESTRICTED
DIFFERENTIATION ANTIGEN FOR THE TREATMENT OF B CELL
LYMPHOMA
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/911,703
FILING DATE: 25-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/149,099
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-014
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8540 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-911-703-2
Query Match 90.9%; Score 31.8; DB 9; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
CY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996
RESULT 5
US-10-411-037-57
Sequence 57, Application US/10411037
Publication No. US2004004446A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bove, Caryn
TITLE OF INVENTION: ALPHA GALACTOSIDASE A: REMODELING AND GLYCOCONJUGATION OF ALPHA
TITLE OF INVENTION: GALACTOSIDASE A
FILE REFERENCE: 040853-01-5082
CURRENT APPLICATION NUMBER: US/10/411,037
CURRENT FILING DATE: 2003-04-09

PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-411-037-57
Query Match 90.9%; Score 31.8; DB 13; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
CY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
DB 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

RESULT 6
US-10-411-026-57
Sequence 57, Application US/10411026
Publication No. US2004006391A1
GENERAL INFORMATION:
APPLICANT: Neose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
TITLE OF INVENTION: PROTEIN REMODELING METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
FILE REFERENCE: 040853-01-5053
CURRENT APPLICATION NUMBER: US/10/411,026
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patentin version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-411-026-57

Query Match 90.9%; Score 31.8; DB 13; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATTAGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATTAGAGGCTCCCTGCTCAG 996

RESULT 7
US-10-238-681-2

; Sequence 2, Application US/10238681
; Publication No. US20030147885A1
; GENERAL INFORMATION:
; APPLICANT: ANDERSON, DARRELL R.
; APPLICANT: HANNA, NABIL
; APPLICANT: LEONARD, JOHN B.
; APPLICANT: NEWMAN, ROLAND A.
; APPLICANT: REFF, MITCHELL E.
; APPLICANT: RASTETTER, WILLIAM H.
; TITLE OF INVENTION: THERAPEUTIC APPLICATION OF CHIMERIC AND RADIOLABELLED
; TITLE OF INVENTION: ANTIBODIES TO HUMAN B LYMPHOCYTE RESTRICTED
; TITLE OF INVENTION: DIFFERENTIATION ANTIGEN FOR TREATMENT OF B CELL
; TITLE OF INVENTION: LYMPHOMA
; FILE REFERENCE: 37003/0291808
; CURRENT APPLICATION NUMBER: US/10/238,681
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: 08/921,060
; PRIOR FILING DATE: 1997-08-29
; PRIOR APPLICATION NUMBER: 08/149,099
; PRIOR FILING DATE: 1993-11-03
; PRIOR APPLICATION NUMBER: 07/978,891
; PRIOR FILING DATE: 1992-11-13
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-238-681-2

Query Match 90.9%; Score 31.8; DB 15; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATTAGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATTAGAGGCTCCCTGCTCAG 996

RESULT 8
US-10-410-962-57

; Sequence 57, Application US/10410962
; Publication No. US20040077836A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Caryn
; TITLE OF INVENTION: GRANULOCYTE COLONY STIMULATING FACTOR: REMODELING AND
; TITLE OF INVENTION: GLYCOCONJUGATION OF G-CSF
; FILE REFERENCE: 040853-01-5054
; CURRENT APPLICATION NUMBER: US/10/410,962
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17

; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-410-962-57

Query Match 90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATTAGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATTAGAGGCTCCCTGCTCAG 996

RESULT 9
US-10-411-049-57

; Sequence 57, Application US/10411049
; Publication No. US20040082026A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bove, Caryn
; TITLE OF INVENTION: INTERFERON ALPHA: REMODELING AND GLYCOCONJUGATION OF INTERFERON
; TITLE OF INVENTION: ALPHA
; FILE REFERENCE: 040853-01-5055
; CURRENT APPLICATION NUMBER: US/10/411,049
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-411-049-57

Query Match 90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 ATCACAGATCTCTCACCATTAGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATTAGAGGCTCCCTGCTCAG 996

RESULT 10
US-10-410-930-57
; Sequence 57, Application US/10410930
; Publication No. US20040115168A1

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GENERAL INFORMATION:
APPLICANT: Neseo Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bowe, Caryn
TITLE OF INVENTION: INTERFERON BETA: REMODELING AND GLYCOCONJUGATION OF INTERFERON
TITLE OF INVENTION: BETA
FILE REFERENCE: 040853-01-5056
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-410-930-57

Query Match      90.9%  Score 31.8  DB 17  Length 8540;
Best Local Similarity 94.3%  Pred. No. 0.0008  2,  Indels 0;
Matches 33; Conservative 0; Mismatches 2,

QY      1  ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db      962  ATCACAGATCTCTCACCATGAGGCTCCCGCTCAG 996

RESULT 11
US-10-410-997-57
Sequence 57, Application US/10410997
Publication No. US20040126838A1
GENERAL INFORMATION:
APPLICANT: Neseo Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bowe, Caryn
TITLE OF INVENTION: FOLLICLE STIMULATING HORMONE: REMODELING AND GLYCOCONJUGATION OF
TITLE OF INVENTION: FSH
FILE REFERENCE: 040853-01-5059
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16

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      / PRIOR APPLICATION NUMBER: US 60/407,527
      / PRIOR FILING DATE: 2002-08-28
      / NUMBER OF SEQ ID NOS: 75
      / SOFTWARE: PatentIn version 3.2
      / SEQ ID NO 57
      / LENGTH: 8540
      / TYPE: DNA
      / ORGANISM: Homo sapiens
      / US-10-410-997-57

Query Match          90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008; Indels 0; Gaps 0;
Matches 33; Conservative 0; Mismatches 2;

      1 ATCACAGATCTCTCACCATGAGGGCTCCCTGCTCAG 35
      |||||
      962 ATCACAGATCTCTCACCATGAGGGCTCCCGCTCAG 996

RESULT 12
US-10-411-012-57
; Sequence 57, Application US/10411012
; Publication No. US20040132640A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.
; APPLICANT: Defrees, Shawn
; APPLICANT: Zopf, David
; APPLICANT: Bayer, Robert
; APPLICANT: Hakes, David
; APPLICANT: Chen, Xi
; APPLICANT: Bone, Caryne
; TITLE OF INVENTION: GLYCOSYLATION METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
; FILE REFERENCE: 040853-01-5051
; CURRENT APPLICATION NUMBER: US/10/411,012
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: US 60/328,523
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/344,692
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: US 60/387,292
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 60/391,777
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/396,594
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: US 60/404,249
; PRIOR FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: US 60/407,527
; PRIOR FILING DATE: 2002-08-28
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 8540
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-411-012-57

Query Match          90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008; Indels 0; Gaps 0;
Matches 33; Conservative 0; Mismatches 2;

      1 ATCACAGATCTCTCACCATGAGGGCTCCCTGCTCAG 35
      |||||
      962 ATCACAGATCTCTCACCATGAGGGCTCCCGCTCAG 996

RESULT 13
US-10-287-994-57
; Sequence 57, Application US/10287994
; Publication No. US20040137557A1
; GENERAL INFORMATION:
; APPLICANT: Neose Technologies, Inc.

```

APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Bower, Caryn
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
TITLE OF INVENTION: REMODELING AND GLYCOCONGUGATION OF PEPTIDES
FILE REFERENCE: 040853-01-5052-00
CURRENT APPLICATION NUMBER: US/10/287,994
CURRENT FILING DATE: 2002-11-05
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 62
SOFTWARE: PatentIn version 3.1
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-287-994-57

Query Match 90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 996

RESULT 14
US-10-410-913-57
Sequence 57, Application US/10410913
Publication No. US20040142856A1
GENERAL INFORMATION:
APPLICANT: Necose Technologies, Inc.
APPLICANT: Defrees, Shawn
APPLICANT: Zopf, David
APPLICANT: Bayer, Robert
APPLICANT: Hakes, David
APPLICANT: Chen, Xi
APPLICANT: Bower, Caryn
TITLE OF INVENTION: GLYCOCONGUGATION METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
FILE REFERENCE: 040853-01-5081
CURRENT APPLICATION NUMBER: US/10/410,913
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US 60/328,523
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/344,692
PRIOR FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: US 60/387,292
PRIOR FILING DATE: 2002-06-07
PRIOR APPLICATION NUMBER: US 60/391,777
PRIOR FILING DATE: 2002-06-25
PRIOR APPLICATION NUMBER: US 60/396,594
PRIOR FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: US 60/404,249
PRIOR FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: US 60/407,527
PRIOR FILING DATE: 2002-08-28
NUMBER OF SEQ ID NOS: 75

SOFTWARE: PatentIn version 3.2
SEQ ID NO 57
LENGTH: 8540
TYPE: DNA
ORGANISM: Homo sapiens
US-10-410-913-57
Query Match 90.9%; Score 31.8; DB 17; Length 8540;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCCACCATGAGGCTCCCTGCTCAG 996

RESULT 15
US-09-905-928-1
Sequence 1, Application US/09905928
Publication No. US20030021781A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
APPLICANT: Hanna, Nabii
APPLICANT: Leonard, John E.
APPLICANT: Newman, Roland A.
APPLICANT: Reiff, Mitchell E.
APPLICANT: Rastetter, William H.
TITLE OF INVENTION: Therapeutic Application of Chimeric and
TITLE OF INVENTION: Radiolabeled Antibodies to Human B Lymphocyte Restricted
TITLE OF INVENTION: Differentiation Antigen for the Treatment of B-Cell Lymphoma
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/905,928
FILING DATE: 17-JUL-2001
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/475,813
FILING DATE: 07-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/149,099
FILING DATE: 03-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/978,891
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-158
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8541 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO

POSITION IN GENOME:
CHROMOSOME/SEGMENT: TCAR 8
US-09-905-928-1

Query Match 90.9%; Score 31.8; DB 10; Length 8541;
Best Local Similarity 94.3%; Pred. No. 0.0008;
Matches 33; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 35
Db 962 ATCACAGATCTCTCACCATGAGGCTCCCTGCTCAG 996

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Job time : 109.315 secs

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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 ; Search time 128.055 Seconds
(without alignments)
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Title: US-09-292-053a-5

Perfect score: 1 atcacagatctctaccatg.....acatgagggctcccgctcag 41

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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Published Applications NA:*
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19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	41	100.0	41	15	US-10-103-686-5
4	41	100.0	41	15	US-10-211-357-32
5	35.4	86.3	41	9	US-09-850-165-64
6	35.4	86.3	41	15	US-10-211-357-33
7	29.6	72.2	39	9	US-09-158-180A-9
8	29.2	71.2	415	13	US-10-257-864A-75
9	29.2	71.2	415	17	US-10-389-518-75
10	28.4	69.3	371	9	US-09-604-287A-187
11	28.4	69.3	371	9	US-09-339-338-187
12	28.4	69.3	371	10	US-09-551-621-187
13	28.4	69.3	371	14	US-10-007-805-187
14	28.4	69.3	371	15	US-10-076-622-187

15	28.4	69.3	371	15	US-10-124-805-187	Sequence 187, App
16	28	68.3	45	9	US-09-925-664-63	Sequence 63, Appl
17	28	68.3	45	12	US-09-925-192-63	Sequence 35, Appl
18	28	68.3	45	10	US-09-791-153A-35	Sequence 35, Appl
19	28	68.3	52	10	US-09-791-153A-35	Sequence 144, App
20	28	68.3	53	10	US-09-972-656-112	Sequence 112, App
21	28	68.3	54	10	US-09-972-656-116	Sequence 116, App
22	28	68.3	54	15	US-10-011-931-49	Sequence 49, Appl
23	28	68.3	54	15	US-10-011-931-63	Sequence 63, Appl
24	28	68.3	54	15	US-10-011-931-63	Sequence 74, Appl
25	28	68.3	70	15	US-10-011-931-64	Sequence 64, Appl
26	28	68.3	840	9	US-09-766-543-11	Sequence 11, Appl
27	28	68.3	1415	17	US-10-656-769-57	Sequence 57, Appl
28	28	68.3	1418	17	US-10-656-769-58	Sequence 58, Appl
29	27.8	67.8	446	17	US-10-659-804-22	Sequence 22, Appl
30	27.8	67.8	428	17	US-10-693-829-49	Sequence 49, Appl
31	27.8	67.8	1394	15	US-10-320-094-11	Sequence 11, Appl
32	27.2	66.3	438	15	US-10-198-846-5398	Sequence 5398, App
33	27.2	66.3	515	15	US-10-198-846-456	Sequence 456, App
34	27.2	66.3	565	15	US-09-969-034-2618	Sequence 2618, App
35	27	65.9	44	15	US-10-257-477-5	Sequence 5, Appl
36	27	65.9	816	9	US-09-766-543-9	Sequence 9, Appl
37	26.8	65.4	70	13	US-10-272-899A-29	Sequence 29, Appl
38	26.8	65.4	110	13	US-10-272-899A-3	Sequence 3, Appl
39	26.8	65.4	114	13	US-10-272-899A-5	Sequence 5, Appl
40	26.8	65.4	290	9	US-09-796-692-4394	Sequence 4394, App
41	26.8	65.4	290	15	US-10-040-662-4394	Sequence 4394, App
42	26.8	65.4	290	16	US-10-057-475B-4394	Sequence 4394, App
43	26.8	65.4	366	9	US-10-154-884B-4394	Sequence 105, App
44	26.8	65.4	366	9	US-09-796-692-105	Sequence 105, App
45	26.8	65.4	366	9	US-09-796-692-549	Sequence 549, App

ALIGNMENTS

RESULT 1
US-09-850-165-63
Sequence 63, Application US/09850165
Patent No. US20020150580A1
GENERAL INFORMATION:
APPLICANT: NEWMAN, RONALD A.
APPLICANT: HANNA, NABIL W.
TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
FILE REFERENCE: 037003-0280614
CURRENT APPLICATION NUMBER: US/09/850,165
CURRENT FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: 09/082,472
PRIOR FILING DATE: 1996-05-21
PRIOR APPLICATION NUMBER: 08/476,237
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/397,072
PRIOR FILING DATE: 1995-04-17
PRIOR APPLICATION NUMBER: 07/912,292
PRIOR FILING DATE: 1992-07-10
PRIOR APPLICATION NUMBER: 07/856,281
PRIOR FILING DATE: 1992-03-23
PRIOR APPLICATION NUMBER: 07/735,064
PRIOR FILING DATE: 1991-07-25
NUMBER OF SEQ ID NOS: 114
SOFTWARE: Patentln Ver. 2.1
SEQ ID NO 63
LENGTH: 41
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-850-165-63
Query Match 100.0%, Score 41, DB 9, Length 41,
Best Local Similarity 100.0%, Pred. No. 1.2e+07,
Matches 41, Conservative 0, Mismatches 0, Indels 0, Gaps 0,

Qy 1 ATCACAGATCTCTCACCATGAGATGAGGTCCTCCGCTCAG 41
Db 1 ATCACAGATCTCTCACCATGAGATGAGGTCCTCCGCTCAG 41

RESULT 2
US-09-019-441-5
Sequence 5, Application US/09019441
Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-6620
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-019-441-5
Query Match 100.0%; Score 41; DB 10; Length 41;
Best Local Similarity 100.0%; Pred.No. 1.2e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 3
US-10-103-686-5
Sequence 5, Application US/10103686
Publication No. US20030059424A1
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35

CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/103,686
FILING DATE: 25-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-103-686-5
Query Match 100.0%; Score 41; DB 15; Length 41;
Best Local Similarity 100.0%; Pred.No. 1.2e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4
US-10-211-357-32
Sequence 32, Application US/10211357
Publication No. US20030077275A1
GENERAL INFORMATION:
APPLICANT: Hanna, Nabli
Reff, Mitchell E.
Newman, Roland A.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/211,357
FILING DATE: 05-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:


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/
/ APPLICATION NUMBER: US/09/612,914A
/ FILING DATE: 10-Jul-2000
/ APPLICATION NUMBER: US 08/523,894
/ FILING DATE: 06-SEP-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Teskin, Robin L.
/ REGISTRATION NUMBER: 35,030
/ REFERENCE/DOCKET NUMBER: 012712-165
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 703-836-6620
/ TELEFAX: 703-836-2021
/ INFORMATION FOR SEQ ID NO: 32:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 41 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Human or Monkey
/ POSITION IN GENOME:
/ CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
/ SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-211-357-32

Query Match      100.0%; Score 41; DB 15; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.2e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41
DB      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41

RESULT 5
US-09-850-165-64
/ Sequence 64, Application US/09850165
/ Patent No. US20020150580A1
/ GENERAL INFORMATION:
/ APPLICANT: NEWMAN, ROLAND A.
/ APPLICANT: HANNA, NABIL
/ APPLICANT: RAAB, RONALD W.
/ TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
/ FILE REFERENCE: 037003-0280614
/ CURRENT APPLICATION NUMBER: US/09/850,165
/ PRIOR FILING DATE: 2001-05-08
/ PRIOR APPLICATION NUMBER: 09/082,472
/ PRIOR FILING DATE: 1998-05-21
/ PRIOR APPLICATION NUMBER: 08/476,237
/ PRIOR FILING DATE: 1995-06-07
/ PRIOR APPLICATION NUMBER: 08/397,072
/ PRIOR FILING DATE: 1995-04-17
/ PRIOR APPLICATION NUMBER: 07/912,292
/ PRIOR FILING DATE: 1992-07-10
/ PRIOR APPLICATION NUMBER: 07/856,281
/ PRIOR FILING DATE: 1992-03-23
/ PRIOR APPLICATION NUMBER: 07/735,064
/ PRIOR FILING DATE: 1991-07-25
/ NUMBER OF SEQ ID NOS: 114
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 64
/ LENGTH: 41
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-850-165-64

Query Match      86.3%; Score 35.4; DB 9; Length 41;
Best Local Similarity 90.2%; Pred. No. 2.9e-05;
Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
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QY      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41
DB      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41

RESULT 6
US-10-211-357-33
/ Sequence 33, Application US/10211357
/ Publication No. US2003007275A1
/ GENERAL INFORMATION:
/ APPLICANT: Hanna, Nabil
/ Newman, Roland A.
/ Refl, Mitchell E.
/ TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
/ Therapy
/ NUMBER OF SEQUENCES: 59
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
/ STREET: 699 Prince Street
/ CITY: Alexandria
/ STATE: VA
/ COUNTRY: USA
/ ZIP: 22314-3187
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/211,357
/ FILING DATE: 05-Aug-2002
/ CLASSIFICATION: <unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/612,914A
/ FILING DATE: 10-Jul-2000
/ APPLICATION NUMBER: US 08/523,894
/ FILING DATE: 06-SEP-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Teskin, Robin L.
/ REGISTRATION NUMBER: 35,030
/ REFERENCE/DOCKET NUMBER: 012712-165
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 703-836-6620
/ TELEFAX: 703-836-2021
/ INFORMATION FOR SEQ ID NO: 33:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 41 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Human or Monkey
/ POSITION IN GENOME:
/ CHROMOSOME/SEGMENT: kappa light chain primer with Bgl II site
/ SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-10-211-357-33

Query Match      86.3%; Score 35.4; DB 15; Length 41;
Best Local Similarity 90.2%; Pred. No. 2.9e-05;
Matches 37; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41
DB      1 ATCACAGATCTCTCCACCATGACATGAGGTCCTCCGCTCAG 41

RESULT 7
US-09-158-120A-9
/ Sequence 9, Application US/09158120A
/ Patent No. US2002010257A1
/ GENERAL INFORMATION:
```

APPLICANT: JOHNSON, L.
TITLE OF INVENTION: Human Murine Chimeric Antibodies Against
TITLE OF INVENTION: Respiratory Syncytical Virus
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARIELLA, BYRNE, BAIN, GILFILLAN, CECCHI,
ADDRESSEE: STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: P160
OPERATING SYSTEM: windows95
SOFTWARE: MS Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/158,120A
FILING DATE: September 21, 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290,592
FILING DATE: August 15, 1994
APPLICATION NUMBER: 07/813,372
FILING DATE: December 23, 1991
ATTORNEY/AGENT INFORMATION:
NAME: Olstein, Elliot M.
REGISTRATION NUMBER: 24,025
REFERENCE/DOCKET NUMBER: 469201-367
TELECOMMUNICATION INFORMATION:
TELEPHONE: 973-994-1700
TELEFAX: 973-994-1744
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 NUCLEOTIDES
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: Oligonucleotide
US-09-158-120A-9

Query Match 72.2%; Score 29.6; DB 9; Length 39;
Best Local Similarity 96.7%; Pred. No. 0.0087;
Matches 29; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 12 CTCACCATGGACATGAGGTCCTCCGCTCAG 41
DB 9 CTCACCATGGACATGAGGTCCTCCGCTCAG 38

RESULT 8
US-10-257-864A-75
Sequence 75, Application US/10257864A
Publication No. US2004005839A1
GENERAL INFORMATION:
APPLICANT: FUKUSHIMA, NAOSHI
APPLICANT: TSUCHIYA, MASAYUKI
APPLICANT: OH-EDA, MASAYOSHI
APPLICANT: KIKUCHI, YASUFUMI
APPLICANT: GOTEMBA-SHI, OHTOMO
TITLE OF INVENTION: AGONIST ANTIBODIES
FILE REFERENCE: 065678-0107
CURRENT APPLICATION NUMBER: US/10/257,864A
CURRENT FILING DATE: 2003-07-24
PRIOR APPLICATION NUMBER: PCT/JP01/03288
PRIOR FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: PCT/JP01/01912
PRIOR FILING DATE: 2001-03-12
PRIOR APPLICATION NUMBER: JP2000-115246
PRIOR FILING DATE: 2000-04-17
PRIOR APPLICATION NUMBER: JP2000-321821

PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: JP2000-321822
PRIOR FILING DATE: 2000-10-20
NUMBER OF SEQ ID NOS: 138
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 75
LENGTH: 415
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (12)..(398)
OTHER INFORMATION: HEF-12B5H-g kappa. 12-398 peptide
US-10-257-864A-75

Query Match 71.2%; Score 29.2; DB 13; Length 415;
Best Local Similarity 91.2%; Pred. No. 0.015;
Matches 31; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 8 ATCTCACCATGGACATGAGGTCCTCCGCTCAG 41
DB 2 AGCTTCACCATGGACATGAGGTCCTCCGCTCAG 35

RESULT 9
US-10-399-518-75
Sequence 75, Application US/10399518
Publication No. US20040091475A1
GENERAL INFORMATION:
APPLICANT: TSUCHIYA, MASAYUKI
APPLICANT: OHTOMO, TOSHITAKO
APPLICANT: YABUTA, NAOMIRO
APPLICANT: TSUNODA, HIROYUKI
APPLICANT: ORITA, TETSURO
TITLE OF INVENTION: DEGRADED TPO AGONIST ANTIBODY
FILE REFERENCE: 065678/0111
CURRENT APPLICATION NUMBER: US/10/399,518
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: PCT/JP01/03288
PRIOR FILING DATE: 2001-04-17
PRIOR APPLICATION NUMBER: JP 2001-277314
PRIOR FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: JP 2000-321821
PRIOR FILING DATE: 2000-10-20
NUMBER OF SEQ ID NOS: 183
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 75
LENGTH: 415
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (12)..(398)
OTHER INFORMATION: HEF-12B5H-g kappa. 12-398 peptide
US-10-399-518-75

Query Match 71.2%; Score 29.2; DB 17; Length 415;
Best Local Similarity 91.2%; Pred. No. 0.015;
Matches 31; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 8 ATCTCACCATGGACATGAGGTCCTCCGCTCAG 41
DB 2 AGCTTCACCATGGACATGAGGTCCTCCGCTCAG 35

RESULT 10
US-09-604-287A-187/c
Sequence 187, Application US/09604287A
Patent No. US20020064872A1
GENERAL INFORMATION:
APPLICANT: Jiang, Yugu
APPLICANT: Dillon, David C.
APPLICANT: Mitcham, Jennifer L.

```

; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604,287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-604-287A-187

Query Match      69.3%; Score 28.4; DB 9; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034; 1; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY
12 CTCACCATGACATGAGGGTCCCGCTCAG 41
Db 366 CTCAGCATGACATGAGGGTCCCGCTCAG 337

RESULT 11
US-09-339-338-187/c
; Sequence 187, Application US/09339338A
; Patent No. US20020102602A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-339-338-187

Query Match      69.3%; Score 28.4; DB 9; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034; 1; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY
12 CTCACCATGACATGAGGGTCCCGCTCAG 41
Db 366 CTCAGCATGACATGAGGGTCCCGCTCAG 337

RESULT 12
US-09-551-621-187/c
; Sequence 187, Application US/09551621
; Publication No. US20030104366A1
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; FILE REFERENCE: 210121.470C5
; CURRENT APPLICATION NUMBER: US/09/551,621
; CURRENT FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-551-621-187

Query Match      69.3%; Score 28.4; DB 10; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034; 1; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY
12 CTCACCATGACATGAGGGTCCCGCTCAG 41
Db 366 CTCAGCATGACATGAGGGTCCCGCTCAG 337

RESULT 13
US-10-007-805-187/c
; Sequence 187, Application US/10007805
; Publication No. US20020150581A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepier, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Durham, Margareta
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C10
; CURRENT APPLICATION NUMBER: US/10/007,805
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 593
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-007-805-187

Query Match      69.3%; Score 28.4; DB 14; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034; 1; Indels 0; Gaps 0;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY
12 CTCACCATGACATGAGGGTCCCGCTCAG 41
Db 366 CTCAGCATGACATGAGGGTCCCGCTCAG 337

RESULT 14
US-10-076-622-187/c
; Sequence 187, Application US/10076622
; Publication No. US20030023036A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleach, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C11
; CURRENT APPLICATION NUMBER: US/10/076,622
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-076-622-187
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Query Match 69.3%; Score 28.4; DB 15; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 12 CTCACCATGAGGATGAGGTCCTCCGCTCAG 41
DB 366 CTCACCATGAGGATGAGGTCCTCCGCTCAG 337

RESULT 15

US-10-124-805-187/c
; Sequence 187, Application US/10124805
; Publication No. US20030166022A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.470C12
; CURRENT APPLICATION NUMBER: US/10/124,805
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 187
; LENGTH: 371
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-124-805-187

Query Match 69.3%; Score 28.4; DB 15; Length 371;
Best Local Similarity 96.7%; Pred. No. 0.034;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 12 CTCACCATGAGGATGAGGTCCTCCGCTCAG 41
DB 366 CTCACCATGAGGATGAGGTCCTCCGCTCAG 337

Search completed: August 23, 2004, 09:17:34
Job time : 129.055 secs

Mon Aug 23 09:35:10 2004

us-09-292-053a-4.rmpb

Page 1

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2004, 00:00:20 : Search time 1283.67 seconds
(without alignments)
1572.740 Million cell updates/sec

Title: US-09-292-053a-4

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Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 3228839 seqs, 245606551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the chance being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	407.8	99.2	411	10	US-09-019-441-4
2	407.8	99.2	411	15	US-10-103-686-4
3	285.8	69.5	1710	16	US-10-291-265-99
4	285.8	69.5	1721	16	US-10-291-265-96
5	284.8	69.3	408	16	US-10-309-762-112
6	282	68.6	414	16	US-10-309-764-126
7	278.8	67.8	414	16	US-10-309-764-130
8	273.8	66.6	405	16	US-10-309-764-94
9	272.8	66.4	405	16	US-10-309-764-122
10	272.4	66.3	414	15	US-10-401-344-5
11	272.4	66.3	414	16	US-10-309-764-134
12	272.4	66.3	2002	15	US-10-401-344-1
13	272.2	66.2	405	16	US-10-309-764-58
14	272.2	66.2	405	16	US-10-309-764-70

15	272.2	66.2	405	16	US-10-309-764-118	Sequence 118, App
16	270.6	65.8	405	16	US-10-309-764-98	Sequence 98, App
17	270.6	65.8	411	9	US-09-423-800-58	Sequence 58, Appl
18	270.6	65.8	411	13	US-10-344-733-58	Sequence 58, Appl
19	270.6	65.8	411	15	US-10-182-018-58	Sequence 58, Appl
20	270.6	65.8	411	15	US-10-169-003-58	Sequence 58, Appl
21	270.6	65.8	411	15	US-10-337-981-58	Sequence 58, Appl
22	270.6	65.8	411	15	US-10-309-764-102	Sequence 102, App
23	269.2	65.5	1458	16	US-10-291-265-191	Sequence 191, App
24	269	65.5	405	16	US-10-309-764-78	Sequence 78, App
25	268.4	65.3	510	17	US-10-469-304-16	Sequence 16, Appl
26	268.4	65.3	690	15	US-10-128-237-73	Sequence 73, Appl
27	268.4	65.3	690	15	US-10-105-891-73	Sequence 73, Appl
28	268	65.2	404	16	US-10-309-764-74	Sequence 74, Appl
29	267.6	65.1	414	16	US-10-109-764-86	Sequence 86, Appl
30	266.6	64.9	1426	13	US-10-180-648-1	Sequence 1, Appl
31	266.6	64.7	405	16	US-10-309-764-62	Sequence 62, Appl
32	265.8	64.7	405	16	US-10-309-764-66	Sequence 66, Appl
33	265.8	64.7	405	16	US-10-309-764-138	Sequence 138, App
34	265.2	64.5	520	9	US-09-844-684-10	Sequence 10, Appl
35	265.2	64.5	520	15	US-10-040-244-10	Sequence 10, Appl
36	265.2	64.5	520	17	US-10-693-629-59	Sequence 59, Appl
37	264.8	64.4	1741	16	US-10-291-265-97	Sequence 97, Appl
38	264.2	64.3	405	16	US-10-309-764-82	Sequence 82, Appl
39	264.2	64.3	405	16	US-10-309-764-90	Sequence 90, Appl
40	264.2	64.3	630	9	US-09-844-684-14	Sequence 14, Appl
41	264.2	64.3	630	15	US-10-040-244-14	Sequence 14, Appl
42	264.2	64.3	630	17	US-10-693-629-63	Sequence 63, Appl
43	263.2	64.0	1736	16	US-10-291-265-98	Sequence 98, Appl
44	261.6	63.6	410	13	US-10-362-082-3	Sequence 3, Appl
45	261	63.5	580	9	US-09-844-684-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1
US-09-019-441-4
Sequence 4, Application US/09019441
Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: REEF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takeniko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWICKER & MATHIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teekin, Robin L.
REGISTRATION NUMBER: 35, 030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021


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; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 99
; LENGTH: 1710
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (162)..(1253)
US-10-291-265-99

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Query Match 69.5%; Score 285.8; DB 16; Length 1710;
 Best Local Similarity 83.3%; Pred. No. 1.8e-79;
 Matches 339; Conservative 0; Mismatches 62; Indels 6; Gaps 1;

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QY 1 ATGAGATTGGGCTGAGCTGGGTTTCTCTTCTCTTTTGAAGGTGTCAGTGTAG 60
    |||
DB 162 ATGAGATTGGGCTGAGCTGGGTTTCTCTTCTCTTTTAAAGGTGCCAGTGTAG 221
    |||
QY 61 GTGAGCTGTGTAGTGTGGGGGCGCTTGCAAGCTGGGGGTCCTGAGACTCTCC 120
    |||
DB 222 GTGAGCTGTGTAGTGTGGGGGCGCTTGCAAGCTGGGGGTCCTGAGACTCTCC 281
    |||
QY 121 TGCGCAGCTCCGGGTTGAGGTTTCACTTCAATTAATTAATTAATTAATTAATTA 180
    |||
DB 282 TGTCGACCTCTG-----GATTCACCTTTAGCAGTTTTCGATGAGCTGGGTCGCGCAG 335
    |||
QY 181 GCTCCAGGGCAGGGGCTGAGTGTGCTTCACTGATTTGATGATGATGATGATGATG 240
    |||
DB 336 GCTCCAGGGCAGGGGCTGAGTGTGCTTCACTGATTTGATGATGATGATGATGATG 395
    |||
QY 241 TACGAGACTCCGTTGAAGGGCAGATTCACCATCTCCAGAGAGAACGCCAACAACACTG 300
    |||
DB 396 TACGAGACTCCGTTGAAGGGCAGATTCACCATCTCCAGAGAGAACGCCAACAACACTG 455
    |||
QY 301 TTCTTCAATGAACAGCCTGAGAGCTGAGAGACAGGCTGTCTATTACTGTGAGCTTG 360
    |||
DB 456 TATCTGCAAAATGAACAGCCTGAGAGCTGAGAGACAGGCTGTCTATTACTGTGAGAG 515
    |||
QY 361 ACTACAGGGTCTGACTCTCTGGGGCCAGGGAGTCTGTGTCACCCGCTC 407
    |||
DB 516 TTTCGTAATTTTGAATCTGAGGGCCAGGAAACCTGTGTCACCCGCTC 562
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RESULT 4
US-10-291-265-96
; Sequence 96, Application US/10291265
; Publication No. US20030232054A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Tang et al
; TITLE OF INVENTION: No. US20030232054A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-017 (785)
; CURRENT APPLICATION NUMBER: US/10/291,265
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: 09/617,746
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 09/633,870
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 944
; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 96
; LENGTH: 1721
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (162)..(1085)
US-10-291-265-96

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Query Match 69.5%; Score 285.8; DB 16; Length 1721;
 Best Local Similarity 83.3%; Pred. No. 1.8e-79;
 Matches 339; Conservative 0; Mismatches 62; Indels 6; Gaps 1;

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QY 1 ATGAGATTGGGCTGAGCTGGGTTTCTCTTCTCTTTTGAAGGTGTCAGTGTAG 60
    |||
DB 162 ATGAGATTGGGCTGAGCTGGGTTTCTCTTCTCTTTTAAAGGTGCCAGTGTAG 221
    |||
QY 61 GTGAGCTGTGTAGTGTGGGGGCGCTTGCAAGCTGGGGGTCCTGAGACTCTCC 120
    |||
DB 222 GTGAGCTGTGTAGTGTGGGGGCGCTTGCAAGCTGGGGGTCCTGAGACTCTCC 281
    |||
QY 121 TGCGCAGCTCCGGGTTGAGGTTTCACTTCAATTAATTAATTAATTAATTAATTA 180
    |||
DB 282 TGTCGACCTCTG-----GATTCACCTTTAGCAGTTTTCGATGAGCTGGGTCGCGCAG 335
    |||
QY 181 GCTCCAGGGCAGGGGCTGAGTGTGCTTCACTGATTTGATGATGATGATGATGATG 240
    |||
DB 336 GCTCCAGGGCAGGGGCTGAGTGTGCTTCACTGATTTGATGATGATGATGATGATG 395
    |||
QY 241 TACGAGACTCCGTTGAAGGGCAGATTCACCATCTCCAGAGAGAACGCCAACAACACTG 300
    |||
DB 396 TACGAGACTCCGTTGAAGGGCAGATTCACCATCTCCAGAGAGAACGCCAACAACACTG 455
    |||
QY 301 TTCTTCAATGAACAGCCTGAGAGCTGAGAGACAGGCTGTCTATTACTGTGAGCTTG 360
    |||
DB 456 TATCTGCAAAATGAACAGCCTGAGAGCTGAGAGACAGGCTGTCTATTACTGTGAGAG 515
    |||
QY 361 ACTACAGGGTCTGACTCTCTGGGGCCAGGGAGTCTGTGTCACCCGCTC 407
    |||
DB 516 TTTCGTAATTTTGAATCTGAGGGCCAGGAAACCTGTGTCACCCGCTC 562
    |||

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```

RESULT 5
US-10-309-762-112
; Sequence 112, Application US/10309762
; Publication No. US20040018198A1
; GENERAL INFORMATION:
; APPLICANT: Guada, Jean
; APPLICANT: Folz, Ian
; APPLICANT: Hands, Masahisa
; APPLICANT: Gallo, Michael
; TITLE OF INVENTION: ANTIBODIES AGAINST CARBOXYIC ANHYDRASE IX
; FILE REFERENCE: ABGENIX.027A
; CURRENT APPLICATION NUMBER: US/10/309,762
; PRIOR FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/337275
; PRIOR FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 246
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-309-762-112

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Query Match 69.3%; Score 284.8; DB 16; Length 408;
 Best Local Similarity 84.1%; Pred. No. 2.5e-79;
 Matches 348; Conservative 0; Mismatches 57; Indels 9; Gaps 2;

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QY 1 ATGAGATTGGGCTGAGCTGGGTTTCTCTTCTCTTTGAAGGTGTCAGTGTAG 60
    |||
DB 1 ATGAGATTGGGCTGAGCTGGGTTTCTCTTCTCTTTTGAAGGTGTCAGTGTAG 60
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	Query Match	Score	282;	Length	414;
	Best Local Similarity	83.3%;	Pred. NO. 1.9E-16;		
	Matches	350;	Conservative	0;	Mismatches 55; Indels 15; Gaps 2
QY	1	ATGAGATTGGGCTGAGCTGGGTTTCTCTTCTCTCTTTTGAAGAAGTGCCAGTGTAG	60		
Db	1	ATGGAGTTGGGGCTTAGCGGGTTTCTTTGTGCTATATTAAAGATGCCAGTGTAG	60		
QY	61	GTGCACTGTGTGAAGTCTGGGGGCGGCTTGGCAAGCCTGGGGGTCCTGAAGTCTCC	120		
Db	61	GTGCACCTGTGTGAAGTCTGGGGGAGGCTTGATCAAGCTGGAGGGTCCCGAACCTCTCC	120		
QY	121	TGGCGAGCCTCCGGGTTCAAGTTCACTTCATTAATACTACTACAATGAGCTGGTCCGCCAG	180		
Db	121	TGGCGAGCCTCTG-----GATTCACTTCATTAACTACTACTACATGACTGGATCCGCCAG	174		
QY	181	GGTCACAGGGCAGGGGCTGAGAGGGGTCAAGTATTAGTATGATGGTATATCCACATGG	240		
Db	175	GCTCCAGGGAAGGGGCTGAGTGGGTTTCAATACATTAGTCTTAGTGGCACTACCAATATAC	234		
QY	241	TACGCAAGTCCGTGAAGGCAATTCACATCTCCAGAGAGAACGCCAACCAACACTTG	300		

Query Match	76.8%	Score 278.8	DB 16	Length 414
Best Local Similarity	82.9%	Pred. No. 2e-77		
Matches 348	Conservative 0	Mismatches 57	Indels 15	Gaps 2
QY	1	ATGAGATTGGGCTGAGCTGGGTTTCTCTGTTCTCTTTGAAGGTCTCAGTGTGAG	60	
Db	1	ATGGATTGGGGCTGGCGCTGGGGTTTCCATGTGTCTATTATAAAGGTGTCCAGTGTGAG	60	
QY	61	GTGCAGCTGTGTGAGTCTGGGGGGCGGCTTGSCAAAGCTGGGGGGGTCCTGTAGACTCTCC	120	
Db	61	GTGCAGCTGTGTGAGTCTGGGGGGGCGTTGGTCAAGCTGTGAGAGGTCTCTGAGACTCTCC	120	
QY	121	TGCGAGCGCTCCGGGTTTCAGGTTCACTTCATTACTACTAATGAGACTGGGTCGGCAG	180	
Db	121	TGTGCAGCGCTCTG-----GATTACCTTAAAGTCTACTACATGAACGTGATTCGGCAG	174	
QY	181	GGTCCAGGGSCAGGGGCTGGAGTGGGTCTCAGCTATTAGTAGTGGGTATGCCACATGG	240	
Db	175	GCTTCAGGAAAGGGGCTGGAGTGGGTTCTTAATTAATTAGTACGTAGTGTGCCATTAC	234	
QY	241	TACGCAGACTCCGTGAAGGGCAATTCACTTCCTCAGAGAGAACGCCAACAACACTG	300	
Db	235	TACGCAGACTCTGTGAAGGGCCGCAATTCACCATCTCCAGGGAAATAGCCAAACACTG	294	
QY	301	TTTCTTCAATGAACAGCTGTAGAGCTGAGAGACAGCGCTGTATTAATCTGTGGAGCTTG	360	
Db	295	TATCTCAATGAACAGCTGTAGAGCCGAGAGAACCGGCGTGTATTAATCTGTGGAGAGG	354	
QY	361	ACT-----ACAGGAGTCTGAATCTCTGGGGCAGAGGAGTCTGTGTCAACGCTCTCTCA	411	
Db	355	ACTGATCTACGACGAGTCTTTGACTACTGTGGGCGAAGGAAACCTGTGTCAACGCTCTCTCA	414	


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Db      61 GTGAGCTGTGGAGTCTGGGGAGGCTTGTAAGCTGGGGGGTCCCTGAGACTCTCC 120
Qy      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATATACATACATGAGCTGGGCGCCAG 180
Db      121 TGGCAGCTCTG-----GATTCACCTTTAGCAGCTAGTCCATGAGCTGGGTCGCCAG 174
Qy      181 GCTTCAGGAGGAGGGGCTGAGTGGGCTCTCACTATTAGTAGTAGTGTGATCCCATGG 240
Db      175 GCTTCAGGAGGAGGGGCTGAGTGGGCTCTCACTATTAGTAGTAGTGTGATCCCATAC 234
Qy      241 TAGCAGACTCCCGTGAAGGGCAGATTCAACATCTCCAGAGAGAACGCCAACAACACTG 300
Db      235 TAGCAGACTCCCGTGAAGGGCAGATTCAACATCTCCAGAGAGAACGCCAACAACACTG 294
Qy      301 TTCTTCAATGAACAGCTGAGAGTGAAGACAGCGCTGTCTATTACTGTGGAGCTTG 360
Db      295 TATCTCAATGAACAGCTGAGAGCGAGAGACAGCGCGTATATTACTGTGGAGAGAG 354
Qy      361 A-----CTACAGGCTGTGACTCTGGGGGCGAGAGAGTCTGTGTCACCGTCTCTCA 411
Db      355 AGGTATTAAGTGAATTAAGTAACTGAGTGGGGCGAGAGAACCTGTGTCACCGTCTCTCA 414

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RESULT 11

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US-10-309-764-134
; Sequence 134, Application US/10309764
; Publication No. US20030232009A1
; GENERAL INFORMATION:
; APPLICANT: Foltz, Ian
; APPLICANT: Babcock, John
; APPLICANT: Palathumpat, Raju
; APPLICANT: Yang, Xiao-dong
; APPLICANT: King, Chadwick T.
; TITLE OF INVENTION: ANTI-CDR45RB ANTIBODIES FOR USE IN
; TITLE OF INVENTION: TREATING AUTOIMMUNE DISEASE AND TRANSPLANT REJECTION
; FILE REFERENCE: ABGENIX. 029A
; CURRENT APPLICATION NUMBER: US/10/309,764
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/337,276
; PRIOR FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 134
; LENGTH: 414
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-309-764-134

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Query Match

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66.3%; Score 272.4; DB 16; Length 414;
Best Local Similarity 81.9%; Pred. No. 2e-75;
Matches 344; Conservative 0; Mismatches 61; Indels 15; Gaps 2;

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Qy      1 ATGAGATTGGGCTGAGAGTGGGTTTCTTGTCTTCTTTGAAAGGTGCGAGTGTG 60
Db      1 ATGAGATTGGGCTGAGAGTGGGTTTCTTGTCTTCTTTGAAAGGTGCGAGTGTG 60
Qy      61 GTGACGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCTGAGACTCTCC 120
Db      61 GTGACGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCTGAGACTCTCC 120
Qy      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAATACTAGTGAAGTGGGTGCGCCAG 180
Db      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAATACTAGTGAAGTGGGTGCGCCAG 180
Qy      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAATACTAGTGAAGTGGGTGCGCCAG 174
Db      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAATACTAGTGAAGTGGGTGCGCCAG 174
Qy      181 GCTTCAGGAGGAGGGCTGAGTGGGCTCTCACTATTAGTAGTAGTGTGATCCCATGG 240
Db      175 GCTTCAGGAGGAGGGCTGAGTGGGCTCTCACTATTAGTAGTAGTGTGATCCCATAG 234
Qy      241 TAGCAGACTCCCGTGAAGGGCAGATTCAACATCTCCAGAGAGAACGCCAACAACACTG 300
Db      235 TAGCAGACTCCCGTGAAGGGCAGATTCAACATCTCCAGAGAGAACGCCAACAACACTG 294

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Qy      301 TTCTTCAATGAACAGCTGAGAGTGAAGACAGCGCTGTCTATTACTGTGAGCTTG 360
Db      295 CATCTGCAATGAACAGCTGAGAGCGGAGACAGCGCGTGTATTACTGTGAGAGAG 354
Qy      361 ACT-----AAGGGTGTGACTCTGGGGGCGAGGAGATCTCTGTCAACCGTCTCTCA 411
Db      355 ACTGCAACTGAGAGGCTTGTGACTACTGAGGCGCAGGAAACCTGTGTACCGTCTCTCA 414

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RESULT 12

US-10-401-344-1

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; Sequence 1, Application US/10401344
; Publication No. US20030194404A1
; GENERAL INFORMATION:
; APPLICANT: Schering Corporation and Abgenix, Inc.
; APPLICANT: Corvalan, Jose
; APPLICANT: Greenfeder, Scott
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO INTERLEUKIN-5 AND METHODS AND COM
; TITLE OF INVENTION: COMPRISING SAME
; FILE REFERENCE: 1101564W
; CURRENT APPLICATION NUMBER: US/10/401,344
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 2002
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: V_region
; LOCATION: (1)..(414)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: CH1_C_region
; LOCATION: (415)..(709)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: Hinge
; LOCATION: (1102)..(1137)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: CH2_C_region
; LOCATION: (1256)..(1585)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: CH3_C_region
; LOCATION: (1683)..(2002)
; OTHER INFORMATION:
US-10-401-344-1

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Query Match

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66.3%; Score 272.4; DB 15; Length 2002;
Best Local Similarity 81.9%; Pred. No. 3.1e-75;
Matches 344; Conservative 0; Mismatches 61; Indels 15; Gaps 2;

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Qy      1 ATGAGATTGGGCTGAGAGTGGGTTTCTTGTCTTCTTTGAAAGGTGCGAGTGTG 60
Db      1 ATGAGATTGGGCTGAGAGTGGGTTTCTTGTCTTCTTTGAAAGGTGCGAGTGTG 60
Qy      61 GTGACGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCTGAGACTCTCC 120
Db      61 GTGACGTGTGAGTCTGGGGGCGGCTTGGCAAAAGCTGGGGGGTCTCTGAGACTCTCC 120
Qy      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAATACTAGTGAAGTGGGTGCGCCAG 180
Db      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAATACTAGTGAAGTGGGTGCGCCAG 180
Qy      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAATACTAGTGAAGTGGGTGCGCCAG 174
Db      121 TGGCAGCTCCGGGTTCAAGTTTCACTTCAATTAATACTAGTGAAGTGGGTGCGCCAG 174
Qy      181 GCTTCAGGAGGAGGGCTGAGTGGGCTCTCACTATTAGTAGTAGTGTGATCCCATAG 240
Db      175 GCTTCAGGAGGAGGGCTGAGTGGGCTCTCACTATTAGTAGTAGTGTGATCCCATAG 234
Qy      241 TAGCAGACTCCCGTGAAGGGCAGATTCAACATCTCCAGAGAGAACGCCAACAACACTG 300
Db      235 TAGCAGACTCCCGTGAAGGGCAGATTCAACATCTCCAGAGAGAACGCCAACAACACTG 294

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Query Match 66.2%; Score 272.2; DB 16; Length 405;
Best Local Similarity 80.8%; Pred. No. 2.3e-75;
Matches 332; Conservative 0; Mismatches 73; Indels 6; Gaps 1;

Query 1 ATGAGATTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGGTGTCAGTGG 60
Db 1 ATGAGATTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGGTGTCAGTGG 60
Query 61 GTGAGCTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGGTGTCAGTGG 120
Db 61 GTGAGCTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGGTGTCAGTGG 120
Query 121 TGCGCAGCTTCGGGTTCAAGTTCACTTCAATTAATTAATTAATTAATTAAT 180
Db 121 TGCGCAGCTTCGGGTTCAAGTTCACTTCAATTAATTAATTAATTAATTAAT 180
Query 181 GCTCCAGGCGAGGCTGGAGTGGGTTCAAGTTCAATTAATTAATTAATTAAT 240
Db 181 GCTCCAGGCGAGGCTGGAGTGGGTTCAAGTTCAATTAATTAATTAATTAAT 240
Query 241 TACCGAGCTCCGTTGAAGGCGAGTTCAATTAATTAATTAATTAATTAATTAAT 300
Db 241 TACCGAGCTCCGTTGAAGGCGAGTTCAATTAATTAATTAATTAATTAATTAAT 300
Query 301 TTTCTTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGAGCTTG 360
Db 301 TTTCTTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGAGCTTG 360
Query 361 ACTACAGGCTGAGCTCCTGGGCGAGGAGTCTGTCACCGTCTCTCA 411
Db 361 ACTACAGGCTGAGCTCCTGGGCGAGGAGTCTGTCACCGTCTCTCA 411
Query 411 GGGGCTGAGCTTGTACTACTGAGGCGCAGGAACTGTGTCACCGTCTCTCA 470
Db 411 GGGGCTGAGCTTGTACTACTGAGGCGCAGGAACTGTGTCACCGTCTCTCA 470

RESULT 13
US-10-309-764-58
; Sequence 58, Application US/10309764
; Publication No. US20030232009A1
; GENERAL INFORMATION:
; APPLICANT: Foltz, Ian
; APPLICANT: Babcock, John
; APPLICANT: Palathumpat, Raju
; APPLICANT: Yang, Xiao-dong
; APPLICANT: King, Chadwick T.
; TITLE OF INVENTION: ANTI-CDR45RB ANTIBODIES FOR USE IN
; FILE REFERENCE: ABGENIX 029A
; CURRENT APPLICATION NUMBER: US/10/309,764
; PRIOR FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/337,276
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58
; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-309-764-58

APPLICANT: Foltz, Ian
APPLICANT: Babcock, John
APPLICANT: Palathumpat, Raju
APPLICANT: Yang, Xiao-dong
APPLICANT: King, Chadwick T.
TITLE OF INVENTION: ANTI-CDR45RB ANTIBODIES FOR USE IN
FILE REFERENCE: ABGENIX 029A
CURRENT APPLICATION NUMBER: US/10/309,764
PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: 60/337,276
NUMBER OF SEQ ID NOS: 147
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 70
LENGTH: 405
TYPE: DNA
ORGANISM: Homo sapiens
US-10-309-764-70

Query Match 66.2%; Score 272.2; DB 16; Length 405;
Best Local Similarity 80.8%; Pred. No. 2.3e-75;
Matches 332; Conservative 0; Mismatches 73; Indels 6; Gaps 1;

Query 1 ATGAGATTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGGTGTCAGTGG 60
Db 1 ATGAGATTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGGTGTCAGTGG 60
Query 61 GTGAGCTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGGTGTCAGTGG 120
Db 61 GTGAGCTGGGCTGAGCTGGGTTTCTGTTCTCTTTTGAAGGTGTCAGTGG 120
Query 121 TGCGCAGCTTCGGGTTCAAGTTCACTTCAATTAATTAATTAATTAATTAAT 180
Db 121 TGCGCAGCTTCGGGTTCAAGTTCACTTCAATTAATTAATTAATTAATTAAT 180
Query 181 GCTCCAGGCGAGGCTGGAGTGGGTTCAAGTTCAATTAATTAATTAATTAAT 240
Db 181 GCTCCAGGCGAGGCTGGAGTGGGTTCAAGTTCAATTAATTAATTAATTAAT 240
Query 241 TACCGAGCTCCGTTGAAGGCGAGTTCAATTAATTAATTAATTAATTAATTAAT 300
Db 241 TACCGAGCTCCGTTGAAGGCGAGTTCAATTAATTAATTAATTAATTAATTAAT 300
Query 301 TTTCTTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGAGCTTG 360
Db 301 TTTCTTCAATGAACAGCTGAGAGCTGAGAGCAAGGCTGTCTATTACTGTGAGCTTG 360
Query 361 ACTACAGGCTGAGCTCCTGGGCGAGGAGTCTGTCACCGTCTCTCA 411
Db 361 ACTACAGGCTGAGCTCCTGGGCGAGGAGTCTGTCACCGTCTCTCA 411
Query 411 GGGGCTGAGCTTGTACTACTGAGGCGCAGGAACTGTGTCACCGTCTCTCA 470
Db 411 GGGGCTGAGCTTGTACTACTGAGGCGCAGGAACTGTGTCACCGTCTCTCA 470

RESULT 15
US-10-309-764-118
; Sequence 118, Application US/10309764
; Publication No. US20030232009A1
; GENERAL INFORMATION:
; APPLICANT: Foltz, Ian
; APPLICANT: Babcock, John
; APPLICANT: Palathumpat, Raju
; APPLICANT: Yang, Xiao-dong
; APPLICANT: King, Chadwick T.
; TITLE OF INVENTION: ANTI-CDR45RB ANTIBODIES FOR USE IN
; FILE REFERENCE: ABGENIX 029A
; CURRENT APPLICATION NUMBER: US/10/309,764
; PRIOR FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/337,276
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 118

; LENGTH: 405
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-309-764-118

Query Match 66.2%; Score 272.2; DB 16; Length 405;
Best Local Similarity 80.8%; Pred. No. 2.3e-75;
Matches 332; Conservative 0; Mismatches 73; Indels 6; Gaps 1;

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QY 1 ATGGAGTTTGGGCTGAGCTGGGTTTCCCTTGTTCTCTTTTGAAGGTGCCAGTGTAG 60
   |||||
Db 1 ATGGAGTTTGGGCTGAGCTGGGTTTCCCTTGTTCTCTTTTGAAGGTGCCAGTGTAG 60
   |||||

QY 61 GTGAGCTGTGAGTGTGAGGCGGCTTGGCAAAGCTGGGGGGTCCCTGAGACTCTCC 120
   |||||
Db 61 GTGAGCTGTGAGTGTGAGGCGGCTTGGCAAAGCTGGGGGGTCCCTGAGAGTCTCC 120
   |||||

QY 121 TGGCAGCTCCCGGTTTCAAGTTTCACTTCAATTAATACTATCAATGAGTGGTCCGCCAG 180
   |||||
Db 121 TGTGCAGCTCTG-----GATTCACTTCAAGTAACTATGCGATGCGATGGTCCGCCAG 174
   |||||

QY 181 GCTTCAGGGCAGGGGCTGAGTGGGTCTCAGTATTAGTAACTGATGATCCACATGG 240
   |||||
Db 175 GCTTCAGGGCAGGGGCTGAGTGGGTCTCAGTATTAGTAACTGATGATGAAAAAATTC 234
   |||||

QY 241 TACGAGACTCCCGTGAAGGGCAGATTCCACATCTCCAGAGAGAAAGCAACACACTG 300
   |||||
Db 235 TATGCAACTCCCGTGAAGGGCCGATTCCACATCTCCAGAGACAAATTCAGAAACAGCTG 294
   |||||

QY 301 TTTCTTCAAAATGAACAGCTGAGAGCTGAGAGACAGGCTGTCTATTACTGTGGAGCTTG 360
   |||||
Db 295 TCTCTGCAAAATGAGCAGCTGAGAGCGGAGAGACAGGCTGTGTATTACTGTGGAGAGGC 354
   |||||

QY 361 ACTACAGGCTGTGACTCTGAGGCGCAGAGAGTCTGTCAACCGTCTCTCA 411
   |||||
Db 355 GGTGGGACTTTGACTTCTGGGGCCAGGGAAACCTGTGTACCGTCTCTCA 405
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Search completed: August 23, 2004, 09:17:33
Job time : 1284.67 secs

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OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 81.5778 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-3

Perfect score: 387
Sequence: 1 atggacatgaggtcccccgc.....ggaccaggtggaatcaaa 387

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCRTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	387	100.0	387	3	US-08-803-085-3 Sequence 3, Appl1
2	387	100.0	19040	4	US-09-343-485A-3 Sequence 3, Appl1
3	326.2	84.3	714	4	US-09-472-087-62 Sequence 62, Appl1
4	318.2	82.2	388	3	US-09-042-353-358 Sequence 358, App
5	318.2	82.2	388	4	US-08-758-417A-206 Sequence 206, App
6	316.6	81.8	1066	1	US-08-157-101A-4 Sequence 4, Appl1
7	308.6	79.7	387	1	US-08-217-918-1 Sequence 1, Appl1
8	307	79.3	439	3	US-09-042-353-360 Sequence 360, App
9	307	79.3	439	4	US-08-758-417A-208 Sequence 208, App
10	304.2	78.6	705	1	US-08-488-376-16 Sequence 16, Appl1
11	304.2	78.6	705	2	US-08-634-223-16 Sequence 16, Appl1
12	304.2	78.6	705	2	US-08-634-223-16 Sequence 16, Appl1
13	304.2	78.6	705	2	US-08-634-400-15 Sequence 16, Appl1
14	304.2	78.6	705	2	US-08-635-878-16 Sequence 16, Appl1
15	304.2	78.6	705	2	US-08-770-057-16 Sequence 16, Appl1
16	304.2	78.6	705	2	US-09-335-697B-16 Sequence 16, Appl1
17	304.2	78.6	705	4	US-09-335-697B-16 Sequence 16, Appl1
18	304.2	78.6	705	4	US-09-740-002-16 Sequence 16, Appl1
19	302	78.0	420	3	US-09-042-353-420 Sequence 420, App
20	302	78.0	420	4	US-08-758-417A-320 Sequence 220, App
21	302	78.0	3819	3	US-09-042-353-383 Sequence 383, App
22	302	78.0	3819	4	US-08-758-417A-243 Sequence 243, App
23	297.4	76.8	390	2	US-08-646-367-2 Sequence 2, Appl1
24	296.2	76.5	384	1	US-08-259-372A-13 Sequence 13, Appl1
25	296.2	76.5	384	1	US-08-468-671-13 Sequence 13, Appl1
26	288.4	74.5	941	4	US-09-800-729-81 Sequence 81, Appl1
27	285.8	73.9	990	4	US-09-800-729-79 Sequence 79, Appl1

28	279.4	72.2	324	2	US-08-378-939-23 Sequence 23, Appl1
29	278.2	71.9	708	1	US-08-488-376-18 Sequence 18, Appl1
30	278.2	71.9	708	2	US-08-634-223-18 Sequence 18, Appl1
31	278.2	71.9	708	2	US-08-634-224-18 Sequence 18, Appl1
32	278.2	71.9	708	2	US-08-634-400-18 Sequence 18, Appl1
33	278.2	71.9	708	2	US-08-635-878-18 Sequence 18, Appl1
34	278.2	71.9	708	2	US-08-770-057-18 Sequence 18, Appl1
35	278.2	71.9	708	3	US-09-335-697B-18 Sequence 18, Appl1
36	278.2	71.9	708	4	US-09-335-697B-18 Sequence 18, Appl1
37	278.2	71.9	708	4	US-09-740-002-18 Sequence 18, Appl1
38	273.8	70.7	381	2	US-08-621-751A-5 Sequence 5, Appl1
39	272.6	70.4	371	4	US-09-389-681-187 Sequence 187, App
40	272.6	70.4	371	4	US-09-620-405B-187 Sequence 187, App
41	272.6	70.4	371	4	US-09-339-338-187 Sequence 187, App
42	272.6	70.4	371	4	US-09-433-826B-187 Sequence 187, App
43	272.6	70.4	371	4	US-09-604-287A-187 Sequence 187, App
44	272.6	70.4	371	4	US-09-834-759-187 Sequence 187, App
45	269.6	69.7	321	3	US-09-240-274-102 Sequence 102, App

ALIGNMENTS

RESULT 1
US-08-803-085-3
Sequence 3, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REEF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHEIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..387
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 67..387
US-08-803-085-3
Query Match 100.0%; Score 387; DB 3; Length 387;

Best Local Similarity 100.0%; Pred. No. 2.5e-114;
Matches 387; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTGTGCTGGCTCCAGTGGC 60
Db 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTGTGCTGGCTCCAGTGGC 60
QY 61 AGATGTGACATCCAGATGAGCCAGTCTGCATCTTCCCTGTCGACATCTTGAAGGAGCAGA 120
Db 61 AGATGTGACATCCAGATGAGCCAGTCTGCATCTTCCCTGTCGACATCTTGAAGGAGCAGA 120
QY 121 GTCAACATCACTTGCAGGGCACTCAGACATTAGGTATTTAATTGTATCAGCAG 180
Db 121 GTCAACATCACTTGCAGGGCACTCAGACATTAGGTATTTAATTGTATCAGCAG 180
QY 181 AAACCGAGAAAAGCTCTTAAGCTCTGATCTATGTGATCCAGTTTGAAGTGGGGTC 240
Db 181 AAACCGAGAAAAGCTCTTAAGCTCTGATCTATGTGATCCAGTTTGAAGTGGGGTC 240
QY 241 CCATCAAGGTTTCAGCGGCACTGGATCTGGGAGAGAGTCTCTCAGCTCAGACGCTG 300
Db 241 CCATCAAGGTTTCAGCGGCACTGGATCTGGGAGAGAGTCTCTCAGCTCAGACGCTG 300
QY 301 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATAGTACCCCTGGACGCTC 360
Db 301 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATAGTACCCCTGGACGCTC 360
QY 361 GGCCAGGAGCAAGGTGGAATCAAA 387
Db 361 GGCCAGGAGCAAGGTGGAATCAAA 387

RESULT 2
US-09-343-485A-3
; Sequence 3, Application US/09343485A
; Patent No. 6413777
; GENERAL INFORMATION:
; APPLICANT: REEF, MITCHELL R.
; APPLICANT: BARNETT, RICHARD S.
; APPLICANT: MCILACHLAN, KAREN R.
; TITLE OF INVENTION: NOVEL METHOD FOR INTEGRATING GENES AT SPECIFIC SITES IN
; TITLE OF INVENTION: MAMMALIAN CELLS VIA HOMOLOGOUS RECOMBINATION AND
; TITLE OF INVENTION: VECTORS FOR ACCOMPLISHING THE SAME
; FILE REFERENCE: 037003-0275807
; CURRENT APPLICATION NUMBER: US/09/343,485A
; CURRENT FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: 09/023,715
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: 08/819,866
; PRIOR FILING DATE: 1997-03-14
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19040
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
; OTHER INFORMATION: referred to as "Wandy"
US-09-343-485A-3

Query Match 100.0%; Score 387; DB 4; Length 19040;
Best Local Similarity 100.0%; Pred. No. 1.3e-113;
Matches 387; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTGTGCTGGCTCCAGTGGC 60
Db 7545 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTGTGCTGGCTCCAGTGGC 7604
QY 61 AGATGTGACATCCAGATGAGCCAGTCTGCATCTTCCCTGTCGACATCTTGAAGGAGCAGA 120
Db 7605 AGATGTGACATCCAGATGAGCCAGTCTGCATCTTCCCTGTCGACATCTTGAAGGAGCAGA 7664

QY 121 GTCAACATCACTTGCAGGGCACTCAGACATTAGGTATTTAATTGTATCAGCAG 180
Db 7665 GTCAACATCACTTGCAGGGCACTCAGACATTAGGTATTTAATTGTATCAGCAG 7724
QY 181 AAACCGAGAAAAGCTCTTAAGCTCTGATCTATGTGATCCAGTTTGAAGTGGGGTC 240
Db 7725 AAACCGAGAAAAGCTCTTAAGCTCTGATCTATGTGATCCAGTTTGAAGTGGGGTC 7784
QY 241 CCATCAAGGTTTCAGCGGCACTGGATCTGGGAGAGAGTCTCTCAGCTCAGACGCTG 300
Db 7785 CCATCAAGGTTTCAGCGGCACTGGATCTGGGAGAGAGTCTCTCAGCTCAGACGCTG 7844
QY 301 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATAGTACCCCTGGACGCTC 360
Db 7845 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATAGTACCCCTGGACGCTC 7904
QY 361 GGCCAGGAGCAAGGTGGAATCAAA 387
Db 7905 GGCCAGGAGCAAGGTGGAATCAAA 7931

RESULT 3
US-09-472-087-62
; Sequence 62, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, ELLEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PE1
; CURRENT APPLICATION NUMBER: US/09/472,087
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 62
; LENGTH: 714
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-472-087-62

Query Match 84.3%; Score 326.2; DB 4; Length 714;
Best Local Similarity 90.2%; Pred. No. 9.3e-95;
Matches 349; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTGTGCTGGCTCCAGTGGC 60
Db 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTGTGCTGGCTCCAGTGGC 60
QY 61 AGATGTGACATCCAGATGAGCCAGTCTGCATCTTCCCTGTCGACATCTTGAAGGAGCAGA 120
Db 61 AGATGTGACATCCAGATGAGCCAGTCTGCATCTTCCCTGTCGACATCTTGAAGGAGCAGA 120
QY 121 GTCAACATCACTTGCAGGGCACTCAGACATTAGGTATTTAATTGTATCAGCAG 180
Db 121 GTCAACATCACTTGCAGGGCACTCAGACATTAGGTATTTAATTGTATCAGCAG 180
QY 181 AAACCGAGAAAAGCTCTTAAGCTCTGATCTATGTGATCCAGTTTGAAGTGGGGTC 240
Db 181 AAACCGAGAAAAGCTCTTAAGCTCTGATCTATGTGATCCAGTTTGAAGTGGGGTC 240
QY 241 CCATCAAGGTTTCAGCGGCACTGGATCTGGGAGAGAGTCTCTCAGCTCAGACGCTG 300
Db 241 CCATCAAGGTTTCAGCGGCACTGGATCTGGGAGAGAGTCTCTCAGCTCAGACGCTG 300
QY 301 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATAGTACCCCTGGACGCTC 360
Db 301 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATAGTACCCCTGGACGCTC 360

Db 301 CAACCTGAAGATTGCACTTACTGTCAACAGATATACAGTACTCATCTTTC 360
QY 361 GGGCAGGAGACCAAGGTGGAATCAA 387
Db 361 GGGCCTGGAGACCAAGGTGGAATCAA 387

RESULT 4
US-09-042-353-358
Sequence 358, Application US/09042353
Patent No. 6255458
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for
TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 421
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,353
FILING DATE: 13-MAR-1998
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US96/16433
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: 02-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/21803
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 014643-009040US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 358:
SEQUENCE CHARACTERISTICS:
LENGTH: 388 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-042-353-358

Query Match 82.2%; Score 318.2; DB 3; Length 388;
Best Local Similarity 88.9%; Pred. No. 2,6e-92;
Matches 344; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

QY 1 ATGAGCATGAGGGTCCCGCTCAGCTCCTGGGGCTCTGCTGCTCCAGGTGCC 60
Db 1 ATGAGCATGAGTGTCCCGCTCAGCTCCTGGGGCTCTGCTGCTCCAGGTGCC 60

QY 61 AGATGTCATCCAGATGACCCAGTCCATCTTCCCTGTTCGATCTGAGGGACAGA 120
Db 61 AGATGTCATCCAGATGACCCAGTCCATCTTCCCTGTTCGATCTGAGGGACAGA 120

QY 121 GTCAACCATCTTGGCAGGGGCAAGTCAAGCATTAAGTATTAATTTAGTATCAGAG 180
Db 121 GTCAACCATCTTGTGGGGGAGTCAAGATTTAGCAGCTGGTACCTGTATCAGAT 180

QY 181 AAACGAGAAAGCTCTTAAGTCTGATCTATGTTGATCCAGTTGCAAGTGGGGTC 240
Db 181 AAACGAGAAAGCTCTTAAGTCTGATCTATGTTGATCCAGTTGCAAGTGGGGTC 240

QY 241 CCATCAAGTTTCAGCGGAGTGAATCTGGGACAGATTCACTCCACCGTACAGAGCTG 300
Db 241 CCATCAAGTTTCAGCGGAGTGAATCTGGGACAGATTCACTCCACCGTACAGAGCTG 300

QY 301 CAGCCTGAAGATTGCGACTTATTACTGTCTACAGGTTTATAGTACCCCTCGAGCTTC 360
Db 301 CAGCCTGAAGATTGCGACTTATTACTGTCTACAGGTTTATAGTACCCCTCGAGCTTC 360

QY 361 GGGCAGGAGACCAAGGTGGAATCAA 387
Db 361 GGGCAGGAGACCAAGGTGGAATCAA 387

RESULT 5
US-08-758-417A-206
Sequence 206, Application US/08758417A
Patent No. 6300129
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 417
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA

QY 241 CCATCAAGTTGACGGGAGTGGATCTGGGACAGAGTTCACTTCACCGCTGAGAGCCTG 300
DB 273 CCATCGAGTTTCAGCGGAGTGGATCTGGGACAGAGTTCACTTCACAGATCAGAGACTG 332
QY 301 CAGCCTGAAGATTTTGGCACTTATCTGTCTACAGGTTTATGATACCCCTCGAGAGTTC 360
DB 333 CAGCCTGAAGATTTTGGCACTTATCTGTCTACAGGTTTATGATACCCCTGAAGTTTC 392
QY 361 GGCCAAAGGACCAAGGTGGAATCAA 387
DB 393 GGCCAAAGGACCAAGGTGGAATCAA 419

RESULT 7

US-08-217-918-1
Sequence 1, Application US/08217918
Patent No. 5506132
GENERAL INFORMATION:
APPLICANT: LAKE, PHILIP
APPLICANT: OSTBERG, IARS
TITLE OF INVENTION: HUMAN ANTIBODIES AGAINST
TITLE OF INVENTION: VARIOLA-ZOSTER VIRUS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STATE: California
COUNTRY: US
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/217,918
FILING DATE: 24-MAR-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2422
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 1..387
US-08-217-918-1

Query Match 79.7%; Score 308.6; DB 1; Length 387;
Best Local Similarity 87.3%; Pred No. 3, 1e-89;
Matches 338; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 1 ATGACATAGAGGTCCTCCGCTAGCTCCTGGGGCTCTTCTGCTGTGCTCCAGGTGCC 60
DB 1 ATGACATAGAGGTCCTCCGCTAGCTCCTGGGGCTCTTCTGCTGTGCTCCAGGTGCC 60
QY 61 AATGTGATATCCAGATGACCAAGTCTCCATCTTCCCTGCTGCACTGTGGAGAGAGA 120
DB 61 AATGTGATATCCAGATGACCAAGTCTCCATCTTCCCTGCTGCACTGTGGAGAGAGA 120
QY 121 GTCACCATCATCTTGACGGGCAAGTCAGACATTAGTATTAATTTGTTATCAGAG 180

DB 121 GTCACCATCATCTTGACGGGCAAGTCAGACATTAGTATTAATTTGTTATCAGAG 180
QY 181 AAACGAGAAAGAGCTCTTAAGTCTGATCTATGTTGATCAAGTTTGAAGTGGGCTC 240
DB 181 AACACGAGAAAGAGCTCTTAAGTCTGATCTATTAAGTGGGCTCTATTTAGAAATGGGCTC 240
QY 241 CCATCAAGTTGACGGGAGTGGATCTGGGACAGAGTTCACTTCACCGCTGAGAGCTTC 300
DB 241 CCATCAAGTTGACGGGAGTGGATCTGGGACAGAGTTCACTTCACCGCTGAGAGCTTC 300
QY 301 CAGCCTGAAGATTTTGGCACTTATCTGTCTACAGGTTTATGATACCCCTCGAGAGTTC 360
DB 301 CAGCCTGAAGATTTTGGCACTTATCTGTCTACAGGTTTATGATACCCCTCGAGAGTTC 360
QY 361 GGCCAAAGGACCAAGGTGGAATCAA 387
DB 361 GGCCAAAGGACCAAGGTGGAATCAA 387

RESULT 8

US-09-042-353-360
Sequence 360, Application US/09042353
Patent No. 6255458
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for
TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 421
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,353
FILING DATE: 13-MAR-1998
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US96/16433
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: 02-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US97/21803
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 014643-009040US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 360:
SEQUENCE CHARACTERISTICS:
LENGTH: 439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-042-353-360

Query Match 79.3%; Score 307; DB 3; Length 439;
Best Local Similarity 87.1%; Pred. No. 1.1e-88;
Matches 337; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTGAGCTCCGCGGGCTCTGCTGCTGCTCCAGGTGCC 60
DB 1 ATGACATGAGAGTCCCGCTGAGCTCCGCGGGCTCTGCTGCTGCTCCAGGTGCC 60
QY 61 AGATGACATCCAGATGACCCAGTCTCCATCTCTGCTGATCTGTAGGGACAGA 120
DB 61 AGATGACATCCAGATGACCCAGTCTCCATCTCTGCTGATCTGTAGGGACAGA 120
QY 121 GTACCATCTACTTGGCGGCAAGTCAAGACATTAGGTATTATTAAATTGGTATACAG 180
DB 121 GTACCATCTACTTGGCGGCAAGTCAAGACATTAGGTATTATTAAATTGGTATACAG 180
QY 181 AAACCGAGAAAGCTCTAAGCTCTGATCTATGTTGATCCAGTTTCAAAAGTGGGTC 240
DB 181 AAACCGAGAAAGCTCTAAGCTCTGATCTATGTTGATCCAGTTTCAAAAGTGGGTC 240
QY 241 CCATCAAGGTTGAGGGGAGTGTGATCTGGGACAGAGTTCACTTACCGTCAAGCGCTG 300
DB 241 CCATCAAGGTTGAGGGGAGTGTGATCTGGGACAGAGTTCACTTACCGTCAAGCGCTG 300
QY 301 CAGCCGGAAGATTTTGCATTAATCTAGTCTACAGGTTTAAAGCCCTCGAGCGTTC 360
DB 301 CAGCCGGAAGATTTTGCATTAATCTAGTCTACAGGTTTAAAGCCCTCGAGCGTTC 360
QY 361 GGCCAGAGGACCAAGGTGGAATCAA 387
DB 361 GGCCAGAGGACCAAGGTGGAATCAA 387

RESULT 9
US-08-758-417A-208
Sequence 208, Application US/08758417A

Patent No. 6300129
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 417
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,417A
FILING DATE: 02-DEC-1996
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
APPLICATION NUMBER: US 08/165,699
FILING DATE: 10-DEC-1993
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: Serafini, Andrew T.
REGISTRATION NUMBER: 41,303
REFERENCE/DOCKET NUMBER: 014643-009030US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 208:
SEQUENCE CHARACTERISTICS:
LENGTH: 439 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 208:
US-08-758-417A-208

Query Match 79.3%; Score 307; DB 4; Length 439;
Best Local Similarity 87.1%; Pred. No. 1.1e-88;
Matches 337; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTGAGCTCCGCGGGCTCTGCTGCTGCTCCAGGTGCC 60
DB 1 ATGACATGAGAGTCCCGCTGAGCTCCGCGGGCTCTGCTGCTGCTCCAGGTGCC 60
QY 61 AGATGACATCCAGATGACCCAGTCTCCATCTCTGCTGATCTGTAGGGACAGA 120
DB 61 AGATGACATCCAGATGACCCAGTCTCCATCTCTGCTGATCTGTAGGGACAGA 120


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SEQUENCE CHARACTERISTICS:
LENGTH: 705 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..705
US-08-634-223-16

Query Match
Best Local Similarity 87.4%; Score 304.2; DB 2; Length 705;
Matches 333; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 7 ATGAGGATCCCGCTCAGCTCCTGAGGCTCTCTTCTGCTGCTGCTCCAGAGTCCAGATGT 66
    |||||
DB 1 ATGAGAACCCCTGCTCAGCTCCTGAGGCTCTCTGCTGCTGCTCCAGAGTCCAGATGT 60
    |||||
QY 67 GACATCCAGATGACCCAGTCTCCATCTTCTGCTGCTGCTGCTGAGGAGACAGTCCACC 126
    |||||
DB 61 GACATCCAGATGACCCAGTCTCCATCTTCTGCTGCTGCTGCTGAGGAGACAGTCCACC 120
    |||||
QY 127 ATCACTTGAGGGGCAAGTACAGGACATAGTATTTAATTGGATCAGAGAAACCA 186
    |||||
DB 121 ATCACTTGAGGGGCAAGTACAGGACATAGTATTTAATTGGATCAGAGAAACCA 180
    |||||
QY 187 GAAAAAGCTCTTAAGCTCTGATCTATGTTGATCCAGTTCGAAAGTGGGGTCCCATCA 246
    |||||
DB 181 GAAAAAGCTCTTAAGCTCTGATCTATGTTGATCCAGTTCGAAAGTGGGGTCCCATCA 240
    |||||
QY 247 AGGTTAGGCGGAGTGGATCTGGGACAGGTCATCCGCTCAGAGAGCTGGAGCT 306
    |||||
DB 241 AGGTTAGGCGGAGTGGATCTGGGACAGGTCATCCGCTCAGAGAGCTGGAGCT 300
    |||||
QY 307 GAAGATTTGGCACTTATTACTGTCTACAGGTTTATAGTACCCCTCGAGAGTTGGGCCAA 366
    |||||
DB 301 GAAGATTTGGCACTTATTACTGTCTACAGGTTTATAGTACCCCTCGAGAGTTGGGCCAA 360
    |||||
QY 367 GGGACCAAGGTGGAAATCAA 387
    |||||
DB 361 GGGACCAAGGTGGAAATCAA 381
    |||||

RESULT 12
US-08-634-224-16
Sequence 16, Application US/08634224
GENERAL INFORMATION:
APPLICANT: BRAMS, Peter
APPLICANT: CHAMAT, Soulaïma Salim
APPLICANT: PAN, Li-Zhen
APPLICANT: WALSH, Edward E.
APPLICANT: HEARD, Cheryl Janne
APPLICANT: NEWMAN, Roland Anthony
TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN
TITLE OF INVENTION: MONOCLONAL ANTIBODIES SPECIFIC TO RSV F-PROTEIN AND
TITLE OF INVENTION: METHODS FOR THEIR MANUFACTURE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/634,224
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FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/488,376
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-150
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 705 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..705
US-08-634-224-16

Query Match
Best Local Similarity 87.4%; Score 304.2; DB 2; Length 705;
Matches 333; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 7 ATGAGGATCCCGCTCAGCTCCTGAGGCTCTCTTCTGCTGCTGCTCCAGAGTCCAGATGT 66
    |||||
DB 1 ATGAGAACCCCTGCTCAGCTCCTGAGGCTCTCTGCTGCTGCTCCAGAGTCCAGATGT 60
    |||||
QY 67 GACATCCAGATGACCCAGTCTCCATCTTCTGCTGCTGCTGCTGAGGAGACAGTCCACC 126
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DB 61 GACATCCAGATGACCCAGTCTCCATCTTCTGCTGCTGCTGCTGAGGAGACAGTCCACC 120
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QY 127 ATCACTTGAGGGGCAAGTACAGGACATAGTATTTAATTGGATCAGAGAAACCA 186
    |||||
DB 121 ATCACTTGAGGGGCAAGTACAGGACATAGTATTTAATTGGATCAGAGAAACCA 180
    |||||
QY 187 GAAAAAGCTCTTAAGCTCTGATCTATGTTGATCCAGTTCGAAAGTGGGGTCCCATCA 246
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DB 181 GAAAAAGCTCTTAAGCTCTGATCTATGTTGATCCAGTTCGAAAGTGGGGTCCCATCA 240
    |||||
QY 247 AGGTTAGGCGGAGTGGATCTGGGACAGGTCATCCGCTCAGAGAGCTGGAGCT 306
    |||||
DB 241 AGGTTAGGCGGAGTGGATCTGGGACAGGTCATCCGCTCAGAGAGCTGGAGCT 300
    |||||
QY 307 GAAGATTTGGCACTTATTACTGTCTACAGGTTTATAGTACCCCTCGAGAGTTGGGCCAA 366
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DB 301 GAAGATTTGGCACTTATTACTGTCTACAGGTTTATAGTACCCCTCGAGAGTTGGGCCAA 360
    |||||
QY 367 GGGACCAAGGTGGAAATCAA 387
    |||||
DB 361 GGGACCAAGGTGGAAATCAA 381
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RESULT 13
US-08-634-400-16
Sequence 16, Application US/08634400
GENERAL INFORMATION:
APPLICANT: BRAMS, Peter
APPLICANT: CHAMAT, Soulaïma Salim
APPLICANT: PAN, Li-Zhen
APPLICANT: WALSH, Edward E.
APPLICANT: HEARD, Cheryl Janne
APPLICANT: NEWMAN, Roland Anthony
TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN
TITLE OF INVENTION: MONOCLONAL ANTIBODIES SPECIFIC TO RSV F-PROTEIN AND
TITLE OF INVENTION: METHODS FOR THEIR MANUFACTURE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
```


QY 307 GAAGATTTGGACCTATTACTGTCTACAGGTTTATAGTACCCCTGGAGCTGGGCCAA 366
 DB 301 GAAGATTTGGACCTATTACTGTCTACAGGTTTATAGTACCCCTGGAGCTGGGCCAA 360
 QY 367 GGGACCAAGGTGGAAATCAA 387
 DB 361 GGGACCAAGGTGGAAATCAA 381

RESULT 15

US-08-770-057-16
 / Sequence 16, Application US/08770057
 / Patent No. 5958765
 / GENERAL INFORMATION:
 / APPLICANT: BRAMS, Peter
 / APPLICANT: CHAMAT, Soulaïma Salim
 / APPLICANT: PAN, Li-Zhen
 / APPLICANT: WALSH, Edward E.
 / APPLICANT: HEARD, Cheryl Janne
 / APPLICANT: NEWMAN, Roland Anthony
 / TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN
 / TITLE OF INVENTION: MONOCLONAL ANTIBODIES SPECIFIC TO RSV F-PROTEIN AND
 / TITLE OF INVENTION: METHODS FOR THEIR MANUFACTURE AND THERAPEUTIC USE THEREOF
 / NUMBER OF SEQUENCES: 19
 / CORRESPONDENCE ADDRESS:
 / ADDRESSEE: Burns, Doane, Swecker & Mathis
 / STREET: P.O. Box 1404
 / CITY: Alexandria
 / STATE: Virginia
 / COUNTRY: United States
 / ZIP: 22313-1404
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: Floppy disk
 / COMPUTER: IBM PC compatible
 / OPERATING SYSTEM: PC-DOS/MS-DOS
 / SOFTWARE: Patentin Release #1.0, Version #1.30
 / CURRENT APPLICATION DATA:
 / APPLICATION NUMBER: US/08/770,057
 / FILING DATE:
 / CLASSIFICATION:
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: US 08/488,376
 / FILING DATE: 07-JUN-1995
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Teskin, Robin L.
 / REGISTRATION NUMBER: 35,030
 / REFERENCE/DOCKET NUMBER: 012712-150
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (703) 836-6620
 / TELEFAX: (703) 836-2021
 / INFORMATION FOR SEQ ID NO: 16:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 705 base pairs
 / TYPE: nucleic acid
 / STRANDEDNESS: single
 / TOPOLOGY: linear
 / MOLECULE TYPE: DNA (genomic)
 / FEATURES:
 / NAME/KEY: CDS
 / LOCATION: 1..705
 / US-08-770-057-16

Query Match 78.6%; Score 304.2; DB 2; Length 705;
 Best Local Similarity .87.4%; Pred. No. 1e-87;
 Matches 333; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 7 ATGAGGATCCCGCTCAGTCTCTGAGGCTCTTCTGCTGCTCCGAGGTCAGAGAT 66
 DB 1 ATGAGACCCCTGCTCAGCTCTCTGAGGCTCTTCTGCTGCTCCGAGGTCAGAGAT 60
 QY 67 GACATCCAGATGACCAAGTCTCCTGCTGCTGATGCTAGGAGGAGAGATCAC 126

DB 61 GACATCCAGATGACCAAGTCTCCTGCTGCTGATGCTGCTGAGAGAGAGATCAC 120
 QY 127 ATCACTTGCAGGCGCAAGTCAAGACATTAATTTAAATGGTATCAGCAAAACA 186
 DB 121 ATCACTTGCAGGCGCAAGTCAAGAGATTGCTAATTTAAATGGTATCAGCAAAACA 180
 QY 187 GGAAGAGCTCTTAAGCTCTGATCTATGTTGATCCAGTTTGCAAGTGGGATCCCAT 246
 DB 181 GGAAGAGCTCTTAAGCTCTGATCTATGTTGATCCAGTTTGCAAGTGGGATCCCAT 240
 QY 247 AGGTTGAGGCGCAAGTCAAGTCTGAGAGAGTCACTCTCAGCCTGAGAGCT 306
 DB 241 AGGTTGAGGCGCAAGTCAAGTCTGAGAGAGTCACTCTCAGCCTGAGAGCT 300
 QY 307 GAAGATTTGGCACTTATTACTGTCTACAGGTTTATAGTACCCCTGGAGCTGGGCCAA 366
 DB 301 GAAGATTTGGCACTTATTACTGTCTACAGGTTTATAGTACCCCTGGAGCTGGGCCAA 360
 QY 367 GGGACCAAGGTGGAAATCAA 387
 DB 361 GGGACCAAGGTGGAAATCAA 381

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GenCore version 5.1.6
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Title: US-09-292-053A-3

Perfect score: 387
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Scoring table: IDENTITY_NUC
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Searched: 3228839 seqs, 245606551 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	387	100.0	387	10	US-09-019-441-3 Sequence 3, Appl
2	387	100.0	387	15	US-10-103-686-3 Sequence 3, Appl
3	342.2	88.4	729	15	US-10-216-484-125 Sequence 125, App
4	342.2	88.4	729	15	US-10-384-933-125 Sequence 125, App
5	339	85.1	1106	16	US-10-264-049-121 Sequence 121, App
6	329.4	85.1	426	17	US-10-469-304-22 Sequence 22, Appl
7	329.4	85.1	974	9	US-09-859-053-29 Sequence 29, Appl
8	326.2	84.3	714	15	US-10-153-382-18 Sequence 18, Appl
9	324.6	83.9	387	9	US-09-905-243-27 Sequence 27, Appl
10	324.6	83.9	448	17	US-10-693-629-49 Sequence 49, Appl
11	323	83.5	728	9	US-09-844-684-15 Sequence 15, Appl
12	323	83.5	728	15	US-10-040-244-15 Sequence 15, Appl
13	323	83.5	728	17	US-10-693-629-65 Sequence 65, Appl
14	321.4	83.0	390	9	US-09-905-243-57 Sequence 57, Appl

15	321.4	83.0	514	15	US-10-066-543-2025 Sequence 2025, Ap
16	321.4	83.0	537	15	US-10-066-543-186 Sequence 186, App
17	321.4	83.0	716	9	US-09-844-684-13 Sequence 13, Appl
18	321.4	83.0	716	15	US-10-040-244-13 Sequence 13, Appl
19	316.4	81.8	463	13	US-10-395-894-24 Sequence 24, Appl
20	316.4	81.8	6082	13	US-10-395-894-10 Sequence 87, Appl
21	315	81.4	1526	17	US-10-679-820-87 Sequence 113, App
22	313.8	81.1	427	17	US-10-309-762-113 Sequence 37, App
23	313.4	81.0	427	17	US-10-693-629-37 Sequence 41, Appl
24	313.4	81.0	427	17	US-10-693-629-41 Sequence 2618, Ap
25	311.8	80.6	565	12	US-09-969-034-2618 Sequence 11, Appl
26	311.8	80.6	698	15	US-09-844-684-11 Sequence 11, Appl
27	311.8	80.6	698	17	US-10-040-244-11 Sequence 61, Appl
28	311.8	80.6	698	17	US-10-693-629-61 Sequence 55, Appl
29	310	80.1	634	15	US-10-158-646-55 Sequence 20, Appl
30	309.8	80.1	384	9	US-09-905-243-40 Sequence 56, Appl
31	309.8	80.1	402	15	US-10-158-646-56 Sequence 2127, Ap
32	309.2	79.9	384	16	US-10-264-049-2127 Sequence 115, App
33	309	79.8	384	16	US-10-309-762-115 Sequence 1210, Ap
34	308.8	79.8	520	9	US-09-878-178-1210 Sequence 1210, Ap
35	308.8	79.8	520	14	US-10-046-835-1210 Sequence 1210, Ap
36	308.8	79.8	520	15	US-10-146-502-1210 Sequence 7, Appl
37	308.4	79.7	737	9	US-09-919-344-7 Sequence 20, Appl
38	306.8	79.3	463	13	US-10-395-894-20 Sequence 9, Appl
39	306.8	79.3	6082	13	US-10-395-894-9 Sequence 25, Appl
40	306	79.1	387	9	US-09-905-243-25 Sequence 10, Appl
41	305.8	79.0	384	16	US-10-389-921-10 Sequence 16, Appl
42	304.2	78.6	705	9	US-09-740-002-16 Sequence 16, Appl
43	304.2	78.6	705	17	US-10-384-356-16 Sequence 16, Appl
44	304.2	78.6	705	17	US-10-325-658-16 Sequence 3, Appl
45	303.8	78.5	708	15	US-10-401-344-3 Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-09-019-441-3
; Sequence 3, Application US/09019441
; Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSER: BURNS, DOANE, SWECKER & MATHIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22133-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..387
NAME/KEY: mat_peptide
LOCATION: 67..387
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-019-441-3

Query Match 100.0%; Score 387; DB 10; Length 387;
Best Local Similarity 100.0%; Pred. No. 2,2e-112;
Matches 387; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACATGAGGGTCCCGCTCAGCTCCTGCGGGGCTCCTTCTGCTGAGCTCCAGGTGC 60
DB 1 ATGGACATGAGGGTCCCGCTCAGCTCCTGCGGGGCTCCTTCTGCTGAGCTCCAGGTGC 60
QY 61 AGATGTACATCCAGATGAGCCAGTCTCCATCTTCCCTGTGTCATCTGTAGGGACAGA 120
DB 61 AGATGTACATCCAGATGAGCCAGTCTCCATCTTCCCTGTGTCATCTGTAGGGACAGA 120
QY 121 GTACCATCACTTGACGGGCAAGTCAGACATTAGTATTAAATTGATACAGCAG 180
DB 121 GTACCATCACTTGACGGGCAAGTCAGACATTAGTATTAAATTGATACAGCAG 180
QY 181 AAACCGAGAAAAGCTCCTTAAGCTTCGATGTATGTTCATCCAGTTTGCAAGTGGGGTC 240
DB 181 AAACCGAGAAAAGCTCCTTAAGCTTCGATGTATGTTCATCCAGTTTGCAAGTGGGGTC 240
QY 241 CCATCAAGTTTCAGCGGCAAGTCAGTCTGAGGACAGATTGACTCTCAGCTCAGCAGCTG 300
DB 241 CCATCAAGTTTCAGCGGCAAGTCAGTCTGAGGACAGATTGACTCTCAGCTCAGCAGCTG 300
QY 301 CAGCTGAAGATTTGGGACTTATTACTGTCTACAGGTTTAAAGTCCCTGGAGCTTC 360
DB 301 CAGCTGAAGATTTGGGACTTATTACTGTCTACAGGTTTAAAGTCCCTGGAGCTTC 360
QY 361 GGCCAGAGGACCAAGGTGGAATCAAA 387
DB 361 GGCCAGAGGACCAAGGTGGAATCAAA 387

RESULT 2
US-10-103-686-3
Sequence 3, Application US/10103686
Publication No. US2003005942A1
GENERAL INFORMATION:
APPLICANT: REF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/103,686
FILING DATE: 25-Mar-2002
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-2021
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 387 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..387
NAME/KEY: mat_peptide
LOCATION: 67..387
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-103-686-3

Query Match 100.0%; Score 387; DB 15; Length 387;
Best Local Similarity 100.0%; Pred. No. 2,2e-112;
Matches 387; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGACATGAGGGTCCCGCTCAGCTCCTGCGGGGCTCCTTCTGCTGAGCTCCAGGTGC 60
DB 1 ATGGACATGAGGGTCCCGCTCAGCTCCTGCGGGGCTCCTTCTGCTGAGCTCCAGGTGC 60
QY 61 AGATGTACATCCAGATGAGCCAGTCTCCATCTTCCCTGTGTCATCTGTAGGGACAGA 120
DB 61 AGATGTACATCCAGATGAGCCAGTCTCCATCTTCCCTGTGTCATCTGTAGGGACAGA 120
QY 121 GTACCATCACTTGACGGGCAAGTCAGACATTAGTATTAAATTGATACAGCAG 180
DB 121 GTACCATCACTTGACGGGCAAGTCAGACATTAGTATTAAATTGATACAGCAG 180
QY 181 AAACCGAGAAAAGCTCCTTAAGCTTCGATGTATGTTCATCCAGTTTGCAAGTGGGGTC 240
DB 181 AAACCGAGAAAAGCTCCTTAAGCTTCGATGTATGTTCATCCAGTTTGCAAGTGGGGTC 240
QY 241 CCATCAAGTTTCAGCGGCAAGTCAGTCTGAGGACAGATTGACTCTCAGCTCAGCAGCTG 300
DB 241 CCATCAAGTTTCAGCGGCAAGTCAGTCTGAGGACAGATTGACTCTCAGCTCAGCAGCTG 300
QY 301 CAGCTGAAGATTTGGGACTTATTACTGTCTACAGGTTTAAAGTCCCTGGAGCTTC 360
DB 301 CAGCTGAAGATTTGGGACTTATTACTGTCTACAGGTTTAAAGTCCCTGGAGCTTC 360
QY 361 GGCCAGAGGACCAAGGTGGAATCAAA 387
DB 361 GGCCAGAGGACCAAGGTGGAATCAAA 387

RESULT 3
US-10-216-484-125
Sequence 125, Application US/10216484
Publication No. US20030103976A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030103976A1ufusa
HARUYAMA, Hideyuki
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takashi, Ikuo
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies

FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US/09/053,583
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 125
LENGTH: 729
TYPE: DNA
ORGANISM: Homo sapiens
US-10-216-484-125

Query Match 88.4%; Score 342.2; DB 15; Length 729;
Best Local Similarity 92.8%; Pred. No. 4,5e-98;
Matches 359; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTTGGCTCCAGGTGCC 60
DB 7 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTTGGCTCCAGGTGCC 66
QY 61 AGATGTGACATCCAGATGATGCCAGTCTCCATCTTCCCTGCTGATCTGAGGGACAGA 120
DB 67 AGATGTGACATCCAGATGATGCCAGTCTCCATCTTCCCTGCTGATCTGAGGGACAGA 126
QY 121 GTCAACCATCTGTCAGAGGGCAAGTCAAGACATTAGTATTATTAAATTGGTATCAGCG 180
DB 127 GTCAACCATCTGTCAGAGGGCAAGTCAAGACATTAGTATTATTAAATTGGTATCAGCG 186
QY 181 AAACCAAGGAAAGCTCCTTAAGTCTCTGATCTATGTCATCCAGTTGGCAAGTGGGGTC 240
DB 187 AAACCAAGGAAAGCTCCTTAAGTCTCTGATCTATGTCATCCAGTTGGCAAGTGGGGTC 246
QY 241 CCATCAAGTTTCAGAGGGCAAGTGTGATCTGGACAGAGTTCACCTCAGCAGCCTG 300
DB 247 CCATCAAGTTTCAGAGGGCAAGTGTGATCTGGACAGAGTTCACCTCAGCAGCCTG 306
QY 301 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATGTACCCCTGGAGAGTTC 360
DB 307 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATGTACCCCTGGAGAGTTC 366
QY 361 GGCCAAAGGACCAAGGTGGAATCAAA 387
DB 367 GGCCAAAGGACCAAGGTGGAATCAAA 393

RESULT 4
US-10-384-933-125
Sequence 125, Application US/10384933
Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Serizawa, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuro
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 125
LENGTH: 729
TYPE: DNA
ORGANISM: Homo sapiens
US-10-384-933-125

Query Match 88.4%; Score 342.2; DB 15; Length 729;

Best Local Similarity 92.8%; Pred. No. 4,5e-98;
Matches 359; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

QY 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTTGGCTCCAGGTGCC 60
DB 7 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTTGGCTCCAGGTGCC 66
QY 61 AGATGTGACATCCAGATGATGCCAGTCTCCATCTTCCCTGCTGATCTGAGGGACAGA 120
DB 67 AGATGTGACATCCAGATGATGCCAGTCTCCATCTTCCCTGCTGATCTGAGGGACAGA 126
QY 121 GTCAACCATCTGTCAGAGGGCAAGTCAAGACATTAGTATTATTAAATTGGTATCAGCG 180
DB 127 GTCAACCATCTGTCAGAGGGCAAGTCAAGACATTAGTATTATTAAATTGGTATCAGCG 186
QY 181 AAACCAAGGAAAGCTCCTTAAGTCTCTGATCTATGTCATCCAGTTGGCAAGTGGGGTC 240
DB 187 AAACCAAGGAAAGCTCCTTAAGTCTCTGATCTATGTCATCCAGTTGGCAAGTGGGGTC 246
QY 241 CCATCAAGTTTCAGAGGGCAAGTGTGATCTGGACAGAGTTCACCTCAGCAGCCTG 300
DB 247 CCATCAAGTTTCAGAGGGCAAGTGTGATCTGGACAGAGTTCACCTCAGCAGCCTG 306
QY 301 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATGTACCCCTGGAGAGTTC 360
DB 307 CAGCTGAAGATTTTGGCACTTATTTCTGTCTACAGTTTATGTACCCCTGGAGAGTTC 366
QY 361 GGCCAAAGGACCAAGGTGGAATCAAA 387
DB 367 GGCCAAAGGACCAAGGTGGAATCAAA 393

RESULT 5
US-10-264-049-121
Sequence 121, Application US/10264049
Publication No. US20040005792A1
GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: P4133P1
CURRENT APPLICATION NUMBER: US/10/264,049
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/18569
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: US 60/209,467
PRIOR FILING DATE: 2000-06-07
NUMBER OF SEQ ID NOS: 4360
SOFTWARE: Patentin Ver. 3.1
SEQ ID NO 121
LENGTH: 1106
TYPE: DNA
ORGANISM: Homo sapiens
NAME/KEY: misc_feature
LOCATION: (302)..(302)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (424)..(424)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1035)..(1039)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1084)..(1084)
OTHER INFORMATION: n equals a,t,g, or c
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1103)..(1103)
OTHER INFORMATION: n equals a,t,g, or c
US-10-264-049-121


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; SEQ ID NO 49
; LENGTH: 448
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-693-629-49

```

Query Match	83.9%;	Score 324.6;	DB 17;	Length 448;
Best Local Similarity	91.7%;	Pred. No. 1.4e-92;		
Matches 355;	Conservative 0;	Mismatches 29;	Indels 3;	Gaps 1

QY	ATGACATGAGGGTCCCCCGCTCAGCTCCGAGGGGCTCTTGCTGTGGCTCCAGAGGCC	60
Db	ATGACATGAGGGTCCCCCGCTCAGCTCCGAGGGGCTCTTGCTGTGGCTCCAGAGGCC	118
QY	AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTGTGTGATCTGAGGGACAGA	120
Db	AGATGTGACATCCAGATGACCCAGTCTCCATCTCCCTGTGTGATCTGAGGGACAGA	178
QY	GTACCCATCCTCTTGCAAGGGCAAGTCAGACACATTAGAGTATTAATTAATTGGTATCAGCAG	180
Db	GTACCCATCCTCTTGCAAGGGCAAGTCAGACACATTAGAGTATTAATTAATTGGTATCAGCAG	238
QY	AAACCCAGSAAAAGCTCCTTAGCCTCCGATCTATGTGTGATCCAGTTTGCAAGAGGGGTC	240
Db	AAACCCAGSAAAAGCTCCTTAGCCTCCGATCTATGTGTGATCCAGTTTGCAAGAGGGGTC	298
QY	CCATCAAGGTTTCAGCGCAGTGGATCTGGGACAGAGTTCACCTCCACCGTCAGCAGCTTG	300
Db	CCATCAAGGTTTCAGCGCAGTGGATCTGGGACAGAGTTCACCTCCACCGTCAGCAGCTTG	358
QY	CAGCTGGAAGATTTTSCGACTTATTACTGTCTACAGGTTTATAGTACCCTCGSAGCTTC	360
Db	CAGCTGGAAGATTTTSCAATTATTACTGTCTACAGGTTTATAGTACCCTCGSAGCTTC	415
QY	GGCCCAAGGACCAAGGTGGAATCAA	387
Db	GGCCCAAGGACCAAGGTGGAATCAA	442

RESULT 11
US-09-844-684-15
; Sequence 15, Application US/09844684

; Patent No. US20020142358A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GEMINI SCIENCE, INC.
 ; APPLICANT: LA JOLLA INSTITUTE FOR ALLERGY AND IMMUNOLOGY
 ; TITLE OF INVENTION: HUMAN ANTI-CD40 ANTIBODIES AND METHODS OF MAKING SAME
 ; FILE REFERENCE: 21286/0276339
 ; CURRENT APPLICATION NUMBER: US/09/844,684
 ; CURRENT FILING DATE: 2001-04-27
 ; PRIOR APPLICATION NUMBER: US 60/200,601
 ; PRIOR FILING DATE: 2000-04-28
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 15
 ; LENGTH: 728
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-844-684-15

	Query Match	83.5%	Score 323	DB 9	Length 726
	Best Local Similarity	89.7%	Pred. No. 5.5e-92		
	Matches 347	Conservative 0	Mismatches 40	Indels 0	Gaps 0
Qy	1	ATGGAATGAGGATCCCCGCTCAGCTCCTG3GGGCTCCTTGCTGCTCGAGCTCCAGAGTGC	60		
Db	59	ATGGAATGAGGATCCCCGCTCAGCTCCTG3GGGCTCCTGCTGCTCGAGTCCAGATTCC	118		
Qy	61	AGATGTGACATCCAGATGACCCAGTCTTCATCTTCCGTGTCGATCTGTAGGGGACAGA	120		
Db	119	AGATGGACATCCAGATGACCCAGTCTTCATCTTCCGTGTCGATCTGTAGGAGACAGA	178		
Qy	121	GTCCACCATCACTTGACGGGACAGTCAGGACATTAGTATTATTAAATTGGTATCGACG	180		

Db	179	GTCCACCATCTTGTCGGCCAGTCAGGATATTACAGCTGGTAGCCTGGATCACAG	238
Qy	181	AAACCCGAAAAACCTCCTAAGCTCCGATCTATATGTGATCCAGTTGCCAAAGTGGGTC	240
Db	239	AAACCCGGAACCCCTTAAGCTCTGTATCTATGTGTGATCCAGTTGCCAAAGTGGGTC	298
Qy	241	CCATCAAGGTTACGGCCAGTCGATCTGGGACAGAGTTCACTCTACCCGTACAGGCTTG	300
Db	299	CCATCAAGGTTACGGCCAGTCGATTTGGGACAGATTCACTCTACCATCAGCAGCTTG	358
Qy	301	CACCTGGAAGATTTTCGACTTATACGTCTACAGGTTTATAGAACCCCTCGACGCTTC	360
Db	359	CAGCTGGAAGATTTTCACCTTACTATTGTCAACAGGCTACAGATTTCCCTCGACATTC	418
Qy	361	GGCCAAAGGACCAAGGTGGAAATCAA	387
Db	419	GGCCAAAGGACCAAGGTGGAAATCAA	445

RESULT 12
US-10-040-244-15

```

: Sequence ID: Application US/10/040244
: Publication No. US20030059427A1
:
: GENERAL INFORMATION:
: APPLICANT: KIRIN BEER KABUSHIKI KAISHA
: APPLICANT: FORCE, WALKER F.
: APPLICANT: TAKAHASHI, NOBUAKI
: APPLICANT: MIKAYAMA, TOSHIFUMI
: TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF HIGHLY ACTIVE ANTI-CD40 ANTIBOD
: FILE REFERENCE: 021286/0272501
: CURRENT APPLICATION NUMBER: US/10/040,244
: CURRENT FILING DATE: 2002-06-17
: PRIOR APPLICATION NUMBER: 60/200,601
: PRIOR FILING DATE: 2000-4-28
: PRIOR APPLICATION NUMBER: PCT/US01/13672
: PRIOR FILING DATE: 2001-04-27
: PRIOR APPLICATION NUMBER: 09/844,684
: PRIOR FILING DATE: 2001-04-27
: NUMBER OF SEQ ID NOS: 17
: SOFTWARE: PatentIn Ver. 3.0
: SEQ ID NO 15
:
: LENGTH: 728
:
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-10-040-244-15

```

Query Match	83.5%;	Score 323;	DB 15;	Length 728;
Best Local Similarity	89.7%;	Pred. No. 5.5e-92;		
Matches 347;	Conservative 0;	Mismatches 40;	Indels	

Qy 1 ATGACATAGAGGATCCCGCTCAGCTCTCGGGAGCTCTTCTGCTCGGCTCCAGGTGCC 60
Db 59 ATGACATAGAGGTCCCGCTCAGCTCTCGGGAGCTCTGCTGCTCGGTTCCAGGTTC 118
Qy 61 AGATGGAATCCAATGACCATGCCAGTCTTCATCTTCCCTGTCTGCACTCTGAGGGACGA 120
Db 119 AGATGGGAATCCAATGACCATGCCAGTCTTCATCTTCCCTGTCTGCACTCTGAGGACGACA 178
Qy 121 GTACCATCACTTGACGGGCAAGTCAGGACGACATTTAGATATTATTAATTGATACGACG 180
Db 179 GTACCATCACTTGTGGGCGAGTCAGGATTTAGCAGCTGTGTAGCTGTATCAGCAG 238
Qy 181 AAACCCGAAAAAGCTCTTACGTCCTGATCTATCTATTTGCAACGATTGCAAGTGGGGTC 240
Db 239 AAACCCGAAAAAGCCCTTACGTCCTGATCTATCTATCTGATTCGATTCGATTGCAAAATGGGGTC 298
Qy 241 CCATCAGGTTTACGGGAGTGGATCTGGGACAGAGTTCACTCTCAACCGTCAGACCTTG 300
Db 299 CCATCAAGTTTACGGGAGTGGATTTGGGACAAATTTCACTCTCAACCATCAAGACCTTG 358
Qy 301 CAGCCGAAAGATTTTGCAGCTTATTACTGTCTAAGGTTATATGTAACCTTCGAGAGCTTC 360

Db 359 CAGCCTGAAGATTTTGGCACTTACTATTGTCAACAGGCTAGAGTTTCCCTCGGACATTC 418
Qy 361 GGCCAAAGGAGGACCAAGGTGAAATCAAA 387
Db 419 GGCCAAAGGAGGACCAAGGTGAGATCAAA 445

RESULT 13
US-10-693-629-65
; Sequence 65, Application US/10693629
; Publication No. US20040120948A1
; GENERAL INFORMATION:
; APPLICANT: KIRIN BEER KABUSHIKI KAISHA
; APPLICANT: MIKAYAMA, Toshitumi
; APPLICANT: YOSHIDA, Hitoshi
; APPLICANT: FORCE, Walker, R.
; APPLICANT: CHEN, Xingjie
; APPLICANT: TAKAHASHI, Nobuaki
; TITLE OF INVENTION: ANTI CD40 MONOCLONAL ANTIBODY
; FILE REFERENCE: 021286-0306473
; CURRENT APPLICATION NUMBER: US/10/693,629
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: PCT/US01/13672
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US09/844,684
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: JP2001/142482
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: JP2001/310535
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US10/040,244
; PRIOR FILING DATE: 2001-10-26
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 65
; LENGTH: 728
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-693-629-65

Query Match 83.5%; Score 323; DB 17; Length 728;
Best Local Similarity 89.7%; Pred. No. 5.5e-92;
Matches 347; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

Qy 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTCGGCTCCAGGTGCC 60
Db 59 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTCGGCTCCAGGTGCC 118
Qy 61 AGATGTGACATCCAGATGACCCAGTCTCATCTTCCCTGTCTGATCTGTAGGGGACAGA 120
Db 119 AGATGTGACATCCAGATGACCCAGTCTCATCTTCCCTGTCTGATCTGTAGGGGACAGA 178
Qy 121 GTCAACCTCATCTTGGACGGGCAAGTCAAGACATTAAGTATTAAATGTGTACGAG 180
Db 179 GTCAACCTCATCTTGGACGGGCAAGTCAAGACATTAAGTATTAAATGTGTACGAG 238
Qy 181 AAACCAAGAAAGTCTTAAGTCTGATCTATGTTGATCCAGTTTGGCAAAAGTGGGGTC 240
Db 239 AAACCAAGAAAGTCTTAAGTCTGATCTATGTTGATCCAGTTTGGCAAAAGTGGGGTC 298
Qy 241 CCATCAAGTTTCAGCGGCAAGTGTGAGACAGAGTTTCACTTCAACCGTACAGCCTTG 300
Db 299 CCATCAAGTTTCAGCGGCAAGTGTGAGACAGAGTTTCACTTCAACCGTACAGCCTTG 358
Qy 301 CAGCCTGAAGATTTGGAGCTTATTACTGTCTACAGTTTATAGTACCCCTCGAGAGTTC 360
Db 359 CAGCCTGAAGATTTGGAGCTTATTACTGTCTACAGTTTATAGTACCCCTCGAGAGTTC 418
Qy 361 GGCCAAAGGAGGACCAAGGTGAAATCAAA 387
Db 419 GGCCAAAGGAGGACCAAGGTGAGATCAAA 445

RESULT 14
US-09-905-243-57
; Sequence 57, Application US/09905243
; Patent No. US20020062009A1
; GENERAL INFORMATION:
; APPLICANT: Taylor, Alexander H
; TITLE OF INVENTION: Monoclonal Antibodies with Reduced
; FILE REFERENCE: P50770
; CURRENT APPLICATION NUMBER: US/09/905,243
; PRIOR FILING DATE: 2001-07-15
; PRIOR APPLICATION NUMBER: 09/300,970
; PRIOR FILING DATE: 1999-04-28
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 57
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Macaca cynomolgus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(390)
US-09-905-243-57

Query Match 83.0%; Score 321.4; DB 9; Length 390;
Best Local Similarity 89.4%; Pred. No. 1.4e-91;
Matches 346; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

Qy 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTCGGCTCCAGGTGCC 60
Db 1 ATGACATGAGGGTCCCGCTCAGCTCTGGGGCTCTTCTGCTCGGCTCCAGGTGCC 60
Qy 61 AGATGTGACATCCAGATGACCCAGTCTCATCTTCCCTGTCTGATCTGTAGGGGACAGA 120
Db 61 AGATGTGACATCCAGATGACCCAGTCTCATCTTCCCTGTCTGATCTGTAGGGGACAGA 120
Qy 121 GTCAACCTCATCTTGGACGGGCAAGTCAAGACATTAAGTATTAAATGTGTACGAG 180
Db 121 GTCAACCTCATCTTGGACGGGCAAGTCAAGACATTAAGTATTAAATGTGTACGAG 180
Qy 181 AAACCAAGAAAGTCTTAAGTCTGATCTATGTTGATCCAGTTTGGCAAAAGTGGGGTC 240
Db 181 AAACCAAGAAAGTCTTAAGTCTGATCTATGTTGATCCAGTTTGGCAAAAGTGGGGTC 240
Qy 241 CCATCAAGTTTCAGCGGCAAGTGTGAGACAGAGTTTCACTTCAACCGTACAGCCTTG 300
Db 241 CCATCAAGTTTCAGCGGCAAGTGTGAGACAGAGTTTCACTTCAACCGTACAGCCTTG 300
Qy 301 CAGCCTGAAGATTTGGAGCTTATTACTGTCTACAGTTTATAGTACCCCTCGAGAGTTC 360
Db 301 CAGCCTGAAGATTTGGAGCTTATTACTGTCTACAGTTTATAGTACCCCTCGAGAGTTC 360
Qy 361 GGCCAAAGGAGGACCAAGGTGAAATCAAA 387
Db 361 GGCCAAAGGAGGACCAAGGTGAAATCAAA 387

RESULT 15
US-10-066-543-2025
; Sequence 2025, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yugu
; APPLICANT: Pyle, Ruth A.
; APPLICANT: Xu, Jianshun
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Iodes, Michael J.
; APPLICANT: Secrist, Heather
; APPLICANT: Carter, Derrick
; APPLICANT: Fanger, Gary R.
; APPLICANT: Smith, Carole L.
; APPLICANT: Durham, Margarita
; APPLICANT: Stolk, John A.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
; FILE REFERENCE: 210121.563
; CURRENT APPLICATION NUMBER: US/10/066,543
; CURRENT FILING DATE: 2002-01-31
; NUMBER OF SEQ. ID NOS: 3417
; SOFTWARE: RASCSEQ for Windows Version 4.0
; SEQ. ID NO 2025
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-066-543-2025

Query Match 83.0%; Score 321.4; DB 15; Length 514;
Best Local Similarity 89.4%; Pred. No. 1.6e-91;
Matches 346; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

QY 1 ATGGACATGAGGTTCCCGCTCAGCTCCTGAGGCTCCTTCTGCTGCTCCAGGTGCC 60
Db 12 ATGGACATGAGGTTCCCGCTCAGCTCCTGAGGCTCCTTCTGCTGCTCCAGGTGCC 71
QY 61 AGATGTGACATCCAGATGACCCAGTCTCCATCTTCCCTGTGATCTGTAGGGACAGA 120
Db 72 AGATGTGACATCCAGATGACCCAGTCTCCATCTTCCCTGTGATCTGTAGGGACAGA 131
QY 121 GTACCATCTACTTGCAGGGGACAGTCAAGACATTAGGTATTATTAATTGATACAGCAG 180
Db 132 GTACCATCTACTTGCAGGGGACAGTCAAGACATTAGGTATTATTAATTGATACAGCAG 191
QY 181 AAACCGAGAAAGCTCCTAAGCTCTGATCTATGTGATCCAGTTGGCAAGTGGGCTC 240
Db 192 AAACCGAGAAAGCTCCTAAGCTCTGATCTATGTGATCCAGTTGGCAAGTGGGCTC 251
QY 241 CCATCAAGTTTACGGCGGAGTGAATCTGGGACAGATTCACTCTCACCGTCCAGAGCTTG 300
Db 252 CCATCTCGTTCAAGTGAATCTGGGACAGATTCACTCTCACCGTCCAGAGCTTG 311
QY 301 CAGCTGAAGATTGTTGCACTTATTAAGTCTGCTACAGATTATAGTACCCCTCGACGTTTC 360
Db 312 CAGCTGAAGATTGTTGCACTTATTAAGTCTGCTACAGATTATAGTACCCCTCGACGTTTC 371
QY 361 GGCCAAAGGACCAAGTGGAAATCAAA 387
Db 372 GGCCAAAGGACCAAGTGGAAATCAAA 398

Search completed: August 23, 2004, 09:17:32
Job time : 1210.72 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 89.1665 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-2

Perfect score: 423
Sequence: 1 atgaacacctggtgtctt.....tcctgtcaccgtctctca 423

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 27747546 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
- 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
- 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
- 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
- 5: /cgn2_6/ptodata/2/ina/PTCUS_COMB.seq:*
- 6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	423	100.0	423	3	US-08-803-085-2
2	313.2	74.0	1431	3	US-08-487-850-11
3	313.2	74.0	1431	3	US-09-526-098-11
4	299.8	70.9	1404	3	US-08-523-894-7
5	299.8	70.9	1404	3	US-08-523-894-9
6	299.8	70.9	1404	3	US-08-523-894-11
7	298.2	70.5	423	1	US-08-379-072A-19
8	298.2	70.5	423	1	US-08-481-869-19
9	298.2	70.5	423	1	US-08-476-237-15
10	295.2	69.8	420	1	US-08-478-039-107
11	295.2	69.8	420	1	US-08-476-349A-107
12	295.2	69.8	420	1	US-08-523-894-1
13	292.4	69.1	1431	3	US-08-487-850-3
14	292.4	69.1	1431	3	US-08-487-850-3
15	289.6	68.5	1567	3	US-08-526-098-3
16	270	63.8	1543	4	US-08-049-672A-17
17	268	63.4	426	2	US-08-800-729-74
18	266.2	62.9	403	3	US-08-480-774A-1
19	266.2	62.9	403	3	US-09-042-353-357
20	263.8	62.4	404	3	US-08-758-417A-205
21	263.8	62.4	404	3	US-09-042-353-355
22	261.2	61.7	1341	4	US-08-758-417A-203
23	261.2	61.7	2674	4	US-09-372-425A-7
24	257.8	60.9	524	3	US-09-042-353-419
25	257.8	60.9	524	3	US-08-758-417A-219
26	257.8	60.9	4926	3	US-09-042-353-418
27	257.8	60.9	4926	4	US-08-758-417A-268

28	257.6	60.9	413	3	US-09-042-353-351	Sequence 351, App
29	257.6	60.9	413	4	US-08-758-417A-199	Sequence 199, App
30	257.4	60.9	450	4	US-09-582-337-13	Sequence 13, App
31	249.4	59.0	624	3	US-08-545-809A-28	Sequence 28, App
32	247	58.4	402	1	US-08-259-372A-5	Sequence 5, App
33	247	58.4	402	1	US-08-468-671-5	Sequence 5, App
34	243	57.4	800	3	US-08-545-809A-55	Sequence 55, App
35	241.4	57.1	840	3	US-09-260-527-4	Sequence 4, App
36	239.6	56.6	1212	3	US-08-545-809A-61	Sequence 61, App
37	238.2	56.3	650	3	US-08-545-809A-4	Sequence 39, App
38	238	56.3	800	3	US-08-545-809A-39	Sequence 39, App
39	237.8	56.2	366	1	US-08-360-125-9	Sequence 9, App
40	237.8	56.2	366	2	US-08-450-578-9	Sequence 9, App
41	237.8	56.2	366	2	US-09-017-628-9	Sequence 9, App
42	237.8	56.2	366	2	US-09-014-880-9	Sequence 9, App
43	237.8	56.2	366	4	US-08-450-363-9	Sequence 9, App
44	236.6	55.9	622	3	US-08-545-809A-59	Sequence 59, App
45	227.2	53.7	1418	4	US-08-793-450-7	Sequence 7, App

ALIGNMENTS

RESULT 1
US-08-803-085-2
Sequence 2, Application US/08803085
Patent No. 601138
GENERAL INFORMATION:
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
APPLICANT: NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESSES:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
City: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..423
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 58..423
US-08-803-085-2
Query Match 100.0%, Score 423, DB 3, Length 423;


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1 APPLICATION NUMBER: US/09/526,098
2 FILING DATE:
3 CLASSIFICATION:
4 PRIOR APPLICATION DATA:
5 APPLICATION NUMBER: 09/383,916
6 FILING DATE:
7 APPLICATION NUMBER: US 08/487,550
8 FILING DATE: 07-JUN-1995
9 ATTORNEY/AGENT INFORMATION:
10 NAME: Teskin, Robin L.
11 REGISTRATION NUMBER: 35,030
12 REFERENCE/DOCKET NUMBER: 012712-131
13 TELECOMMUNICATION INFORMATION:
14 TELEPHONE: 703-836-6620
15 TELEFAX: 703-836-2021
16 INFORMATION FOR SEQ ID NO: 11:
17 SEQUENCE CHARACTERISTICS:
18 LENGTH: 1431 base pairs
19 TYPE: nucleic acid
20 STRANDEDNESS: not relevant
21 TOPOLOGY: linear
22 MOLECULE TYPE: peptide
23 FEATURE:
24 NAME/KEY: CDS
25 LOCATION: 1..1431
26 FEATURE:
27 NAME/KEY: mat_peptide
28 LOCATION: 1..1431
29 OS-09-526-098-11

```

1 APPLICANT: Newman, Roland A.
 2 APPLICANT: Ref: Mitchell E.
 3 TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
 4 TITLE OF INVENTION: Therapy
 5 NUMBER OF SEQUENCES: 59
 6 CORRESPONDENCE ADDRESS:
 7 ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
 8 STREET: 699 Prince Street
 9 CITY: Alexandria
 10 STATE: VA
 11 COUNTRY: USA
 12 ZIP: 22314-3187
 13 COMPUTER READABLE FORM:
 14 MEDIUM TYPE: Floppy disk
 15 COMPUTER: IBM PC compatible
 16 OPERATING SYSTEM: PC-DOS/MS-DOS
 17 SOFTWARE: PatentIn Release #1.0, Version #1.30
 18 CURRENT APPLICATION DATA:
 19 APPLICATION NUMBER: US/08/523,894
 20 FILING DATE: 06-SEP-1995
 21 CLASSIFICATION: 424
 22 ATTORNEY/AGENT INFORMATION:
 23 NAME: Teskin, Robin L.
 24 REGISTRATION NUMBER: 35,030
 25 REFERENCE/DOCKET NUMBER: 012712-165
 26 TELECOMMUNICATION INFORMATION:
 27 TELEPHONE: 703-836-6620
 28 TELEFAX: 703-836-2021
 29 INFORMATION FOR SEQ ID NO: 7:
 30

Query Match	74.0%;	Score 313.2;	DB 4;	Length 1431;
Best Local Similarity	84.5%;	Pred. No. 8.7e-83;		
Matches 370;	Conservative 0;	Mismatches 55;	Indels 15;	Gaps 1;
QY	1	ATGAACA	CTGTGTGTTCTTCTCTCTCTGTGTGCAGCTCCACAGATGGGTCCTGTCCAG	60
Db	1	ATGAACA	CCCTGTGTTCTTCTCTCTCTGTGTGCAGCTCCACAGATGGGTCCTGTCCAG	60
QY	61	CTGACGCTGCAGAGTGCAGGCCCAAGATGGTGAAGCTTGGAGACCTCTCCCTAC	120	
Db	61	GTGCAGCTGCAGAGTGCAGGCCCAAGATGGTGAAGCTTGGAGACCTCTCCCTAC	120	
QY	121	TGCGCTGTCTGTGGTGGCTCTGTGACAGATGAATCTGTGAACTGTGATCCGACGCC	180	
Db	121	TGCGCTGTCTGTGGTGGCTCATACAGCGATGGTATATGCTGGGGCTGTATCCGACGCC	180	
QY	181	CCAGGGAAAGGACCTGAGTGGATTTGAGAGTATCTCTGTATGTGTGGGGCCACCAATAC	240	
Db	181	CCAGGGAAAGGAGCTGAGTGGATTTGAGAGTATCTATATGATATGAGGGAAACCTTACTAC	240	
QY	241	AACCGTCCCTCAAGATCGAGTCATCTTTCACAGACAGTCCAAAGACAGTTCTCC	300	
Db	241	AACCGTCCCTCAAGATCGAGTCATCCATTTTCACAGACAGTCCAAAGACAGTTCTCC	300	
QY	301	CTGAACCTGAACCTGTGTGACCGCCCGGACACGGCCGTGTATCTGTGCCAGAGATTGG	360	
Db	301	CTGAAGCTGAACCTGTATGACCGCCCGGACACGGCCGTGTATCTGTGTAGAGATCGT	360	
QY	361	GCCCAATATAGCTGGAACA-----CGATTAGGCTCTGAGGCGACGAGATC	405	
Db	361	CTTTTTCAGTTGTTGGAGTGGTTTACAACAACATGATGTCTGGGGCCCGGAGTC	420	
QY	406	CTGATCACCGTCTCTCA	423	
Db	421	CTGATCACCGTCTCTCA	438	

	LENGTH: 1404 base pairs	
	TYPE: nucleic acid	
	STRANDEDNESS: single	
	TOPOLOGY: linear	
	MOLECULE TYPE: DNA (genomic)	
	POSITION IN GENOME:	
	CHROMOSOME/SEGMENT: heavy chain variable and constant gamma	
	CHROMOSOME/SEGMENT: 4	
	FEATURE:	
	NAME/KEY: CDS	
	LOCATION: 1..1404	
	FEATURE:	
	NAME/KEY: mat_peptide	
	LOCATION: 1..1404	
	US-06-523-894-7	
QY	Query Match	70.3%; Score 299.8; DB 3; Length 1404;
	Best Local Similarity	83.5%; Pred. No. 7,7e-79;
	Matches 353; Conservative	0; Mismatches 67; Indels 3; Gaps 1;
Db	1 ATGAAACACTGGTGTCTTCTCCTCCCTCCCTGAGCACTCCAGATGGAGTCCGTCCAG	60
	1 ATGAAACACTGGTGTCTTCTCCTCCCTCCCTGAGCACTCCAGATGGAGTGTGTCCAG	60
QY	61 CTGACGCTCAGAGAGTGGGCGCCAGAGAGTGAAGCTTGGAGACCTGTCCCTCACC	120
Db	61 GTGACGCTCAGAGAGTGGGCGCCAGAGACTGTGAAGCTTGGAGACCTGTCCCTCACC	120
QY	121 TGGGCTGTCTCTGTGGCTCTGTCCAGACAGTAACTGGTGAGACCTGGATCCGCAAGCC	180
Db	121 TGCAGTGTCTCTGTGGCTCTGCATCAGGAGGTGACTATTATTGGTCTCGATCCGCAAGTC	180
QY	181 CCAAGGAGAGGAGCTGAGAGTGGATTGAACGTATCTGTGATGAGTGGGAGCCACCAACTAC	240
Db	181 CCAAGGAGAGGAGCTGAGAGTGGATCCGGTACATATTATGGCAGTGTGGGAGCCACCAATTAC	240

RESULT 4
US-08-523-894-7
; Sequence 7, Application US/08523894
; Patent No. 6136310
; GENERAL INFORMATION:
; APPLICANT: Hanna, Nabil

Db 241 AATCCCTCCCTCAACATCGAGCTCTCATTTCAATGACACGTCACAGAACTCTTCTCC 300
 301 CTGAACCTGAACCTCTGAGACCGCGCGGACACCGCGCTGTATTACTGTGCGACAGATTGG 360
 Db 301 CTGAACCTGAGCTGTGACCGCGCGGACACCGCGCTGTATTACTGTGCGAGATTAT --- 357
 QY 301 CTGAACCTGAACCTCTGAGACCGCGCGGACACCGCGCTGTATTACTGTGCGACAGATTGG 360

QY 361 GCCCAATAGCTGGAACAACGCTTCTTGCGGCGCAGGAGTCTGTGTCACCGTCTCC 420
DB 358 ATATTGAAATATCTTCACTGTTATTAATCTAGGGCCAGGAGTCTGTGTCACCGTCTCC 417

QY 421 TCA 423
DB 418 TCA 420

RESULT 5

US-08-523-894-9
Sequence 9, Application US/08523894

Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA

COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-6620

INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1404 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
POSITION IN GENOME:
CHROMOSOME/SEGMENT: heavy chain gamma 4 with the E mutation

FEATURE:
NAME/KEY: CDS
LOCATION: 1..1404
FEATURE:
NAME/KEY: mat.peptide
LOCATION: 1..1404
US-08-523-894-9

Query Match 70.9%; Score 299.8; DB 3; Length 1404;
Best Local Similarity 83.5%; Pred. No. 7.7e-79;
Matches 353; Conservative 0; Mismatches 67; Indels 3; Gaps 1;

QY 1 ATGAACACCTGTGTTCTTCTCTCTCTGCGGAGAGTCCCAATGGGCTCTGTCCAG 60
DB 1 ATGAACACCTGTGTTCTTCTCTCTCTGCGGAGAGTCCCAATGGGCTCTGTCCAG 60
QY 61 CTGACACTGAGAGTGGGCGCAGGAGTGTGAAGCCTTGGAGACCTGTCTCCAC 120

DB 61 GTGACACTGAGAGTGGGCGCAGGAGTGTGAAGCCTTGGAGACCTGTCTCCAC 120
QY 121 TGGGCTGTCTGTGAGCTCTGTACAGAGTAACTGATGAGACCTGTATCGCCAGCC 180
DB 121 TCGAGTGTCTGTGAGCTCTGTACAGAGTAACTGATGAGACCTGTATCGCCAGCC 180
QY 181 CCGAGGAGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 240
DB 181 CCGAGGAGAGGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 240
QY 241 AACCGTCCCTCAAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 300
DB 241 AATCCCTCCCTCAAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 300
QY 301 CTGACCTGAGTCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 360
DB 301 CTGAACTGAGTCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 357
QY 361 GCCCAATAGCTGGAACAACGCTTCTTGCGGCGCAGGAGTCTGTGTCACCGTCTCC 420
DB 358 ATATTGAAATATCTTCACTGTTATTAATCTAGGGCCAGGAGTCTGTGTCACCGTCTCC 417
QY 421 TCA 423
DB 418 TCA 420

RESULT 6

US-08-523-894-11
Sequence 11, Application US/08523894

Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA

COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-6620
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1404 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
POSITION IN GENOME:
CHROMOSOME/SEGMENT: heavy chain gamma 4 with the P and E
CHROMOSOME/SEGMENT: mutation

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; FEATURE: CDS
; NAME/KEY:
; LOCATION: 1..1404
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..1404
US-08-523-894-11

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Query Match	70.9%;	Score 299.8;	DB 3;	Length 1404;
Best Local Similarity	83.5%;	Pred. No. 7.7e-79;		
Matches 353;	Conservative	0;	Mismatches 67;	Indels 3;
				Gaps 1

QY	1	ATGAAACACCTGGTGTCTTCTCCTCCCTGGTGGCAGCTCCCAATGGGTCTGTGCCAG	60
Db	1	ATGAAACACCTGGTGTCTTCTCCTCCCTGGTGGCAGCTCCCAATGGGTCTGTGCCAG	60
QY	61	CTGCAGCTGCAGGATGGGAGCCGAGAGTGATGTAAGCCTTCGAGACCCCTGTCCTCAC	120
Db	61	GTGCACCTGCAGGAGTGGGAGCCGAGAGTGATGTAAGCCTTCGAGACCCCTGTCCTCAC	120
QY	121	TGGGCTGTCTGTGGTGTCTGTGTGACAGTAACTGTGTGACCTGGATTCGCTCAAGCC	180
Db	121	TGGAGTGTCTGTGGTGTCTGTGTGACAGTAACTGTGTGACCTGGATTCGCTCAAGCC	180
QY	181	CCAGGGAAGGAACTGGAGTGAATTGGACGTATCTGTGTAGTGTGGGGCACCACCACTAC	240
Db	181	CCAGGGAAGGAACTGGAGTGAATTGGACGTATCTGTGTAGTGTGGGGCACCACCACTAC	240
QY	241	AACCGTCCCTCAAGATGCGAGTCATCATTTTCAACAACACGTCGAAAGACGTTCTCC	300
Db	241	AACCGTCCCTCAAGATGCGAGTCATCATTTTCAACAAGACGTCGAAAGACGTTCTCTCC	300
QY	301	CTGAACCTGAACCTGTGACCCGCGGAGCAACGCGCGATTAACCTGTGCACAGATTTGG	360
Db	301	CTGAACCTGAAGTCTGTGACCCGCGGAGCAACGCGCGCTTATTAAGTGTGCAGATTA--	357
QY	361	GCCCAATATAGCTGGAACAACGCTAGAGCTTCTGGGGCCACGAGAGTCTGTATCCAGCTTCC	420
Db	358	AATATGAATATATCTTCACTGTATTATTAATCTGGGGCCAGGAGTCTGTATCCAGCTTCC	417
QY	421	TCA 423	
Db	418	TCA 420	

RESULT 7
US-08-379-072A-19
/ Sequence 19, Application US/08379072A
/ Patent No. 5685870
/ GENERAL INFORMATION:
/ APPLICANT: NEWMAN, Roland A.
/ APPLICANT: HANNA, Nabil
/ APPLICANT: RAAB, Ronald W.
/ TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
/ NUMBER OF SEQUENCES: 20
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Burns, Doane, Swecker & Mathis
/ STREET: P.O. Box 1404
/ CITY: Alexandria
/ STATE: Virginia
/ COUNTRY: United States
/ ZIP: 22313-1404
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent in Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/379,072A
/ FILING DATE: 25-JAN-1995
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/912,292

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1      FILING DATE: 10-JUL-1992
2      PRIOR APPLICATION DATA:
3      APPLICATION NUMBER: US 07/856,281
4      FILING DATE: 23-MAR-1992
5      PRIOR APPLICATION DATA:
6      APPLICATION NUMBER: US 07/735,064
7      FILING DATE: 25-JUL-1991
8      ATTORNEY/AGENT INFORMATION:
9      NAME: Rea, Teresa Stanek
10     REGISTRATION NUMBER: 30,427
11     REFERENCE/DOCKET NUMBER: 012712-067
12     TELECOMMUNICATION INFORMATION:
13     TELEPHONE: (703) 836-6620
14     TELEFAX: (703) 836-6201
15     INFORMATION FOR SEQ ID NO: 1:
16     SEQUENCE CHARACTERISTICS:
17     LENGTH: 423 base pairs
18     TYPE: nucleic acid
19     STRANDEDNESS: single
20     TOPOLOGY: linear
21     MOLECULE TYPE: DNA (genomic)
22     OS=8-379-072A-19

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Query Match	70.5%;	Score 298.2;	DB 1;	Length 423;
Best Local Similarity	83.2%;	Pred. No. 1.5e-78;		
Matches 352;	Conservative 0;	Mismatches 68;	Indels 3;	Gaps 1;

Qy	1	ATATAACCTGTGGATTCTTCTCTCTCTGTGGACGCTCCAGATGGATCTGTCCAG	60
Db	4	ATATAACACTGTGGATTCTTCTCTCTCTGTGGACGCCCGAGATGGATCTGTCCAG	63
Qy	61	CTGCAGCTGCAGAGACTCGGCGCCAGAGTGTGAAGCCTTGGAGACCTGTCCCTCACC	120
Db	64	GTGCAGCTGCAGAGAGCGGGGCCAGAGACTGTGTGAAGCCTTGGAGAGACCTGTCCCTCACC	123
Qy	121	TGGCGCTGTCTGTGGGCTCTGTGTACAGATGTATATCTGTGCACCTGGATTCGGCAGCCC	180
Db	124	TGCAGTGTCTCTGTGGGCTCCATACGCGGTACTATATTATGTGTGTGAACTCGCGAGTCC	183
Qy	181	CCAGGGAAGGACTGAGTGTGATTGAGAGTATCTCTGTGTAGTGGTGGGCGACCAACTAC	240
Db	184	CCAGGGAAGGACTGAGTGTGATTGAGAGTACTATATGCGAGTGGTGGGGGCACTCAATTAC	243
Qy	241	AACCGTCCCTTAAGATGTGAGTCAATTTCAACAACAAGCTCCAAAGAACAGTTCTCC	300
Db	244	AATCCCTCCCTCAACAATCGAGTCTCCATTTCAATTAACAAGTCCAGAACTCTTCTCC	303
Qy	301	CTGAACCTTGAACTCTGTGACCGCGCGGAGCAACGGCGCGTATTAATCTGTGCACAGAAATTGG	360
Db	304	CTGAACCTGAGTCTGTGACCGCGCGGAGCAACGGCGCGTATTAATCTGTGTGAGAGTAAT---	360
Qy	361	GCCCAATTAGCTGAACAACGCTTAGGCTTCTGGGCGCAGGAGTCTGTGTCAACGCTCC	420
Db	361	ATATTGAATATCTTCACTGTGTTATTATATCTGGGGCGAGGAGATCGTGTCAACGCTCC	420
Qy	421	TCA 423	
Db	421	TCA 423	
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RESULT 8 -669-19
US-08-481-869-19
; Sequence 19, Application US/08481869
; Patent No. 5693780
; GENERAL INFORMATION:
; APPLICANT: NEWMAN, Roland A.
; APPLICANT: HANNA, Nabil
; APPLICANT: RAAB, Ronald W.
; TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: P.O. Box 1404

CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,869
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/379,072A
FILING DATE: 25-JAN-1995
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Rea, Teresa Stanek
REGISTRATION NUMBER: 30,427
REFERENCE/DOCKET NUMBER: 012712-067
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-481-869-19

Query Match 70.5%; Score 298.2; DB 1; Length 423;
Best Local Similarity 83.2%; Pred. No. 1.5e-78;
Matches 352; Conservative 0; Mismatches 68; Indels 3; Gaps 1;

1 ATGAACACCTGTGTTCTTCTCTCTCTGAGAGTGAAGTCCAGATGGGTCCTGTCAG 60
4 ATGAACACCTGTGTTCTTCTCTCTCTGAGAGTGAAGTCCAGATGGGTCCTGTCAG 63
61 CTGACGCTGAGAGTGGGCGCCAGAGAGTGAAGCTTGGAGACCTGTCCTGTCAG 120
64 GTGACGCTGAGAGTGGGCGCCAGAGAGTGAAGCTTGGAGACCTGTCCTGTCAG 123
121 TGGGCTGTCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 180
124 TGAAGTGTCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 183
181 CCAAGGAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 240
184 CCAAGGAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 243
241 AACCGTCCCTCAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 300
244 AATCCCTCCCTCAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 303
301 CTGAACCTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGA 360
304 CTGAACCTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGAAGTGTGA 360
361 GCCCAATAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 420
361 AATTAATATATCTTCACTGTGTTATTAATCTGTGAGGCAAGAGTCTGTGTCACCTGTC 420
421 TCA 423

Db 421 TCA 423

RESULT 9
US-08-476-237-15
Sequence 15, Application US/08476237
Patent No. 5756096
GENERAL INFORMATION:
APPLICANT: NEWMAN, Roland A.
APPLICANT: HANNA, Nabil
APPLICANT: RAAB, Ronald W.
TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Burns, Doane, Swecker & Mathis
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,237
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-133
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-476-237-15

Query Match 70.5%; Score 298.2; DB 1; Length 423;
Best Local Similarity 83.2%; Pred. No. 1.5e-78;
Matches 352; Conservative 0; Mismatches 68; Indels 3; Gaps 1;

1 ATGAACACCTGTGTTCTTCTCTCTCTGTGAGAGTGAAGTCCAGATGGGTCCTGTCAG 60
4 ATGAACACCTGTGTTCTTCTCTCTCTGTGAGAGTGAAGTCCAGATGGGTCCTGTCAG 63
61 CTGACGCTGAGAGTGGGCGCCAGAGAGTGAAGCTTGGAGACCTGTCCTGTCAG 120
64 GTGACGCTGAGAGTGGGCGCCAGAGAGTGAAGCTTGGAGACCTGTCCTGTCAG 123
121 TGGGCTGTCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 180
124 TGAAGTGTCTGTGCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 183
181 CCAAGGAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 240
184 CCAAGGAAAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 243
241 AACCGTCCCTCAAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 300


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APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-VR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 107:
SEQUENCE CHARACTERISTICS:
LENGTH: 420 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: Anti-CD4 VH
FEATURE:
NAME/KEY: CDS
LOCATION: 4..420
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 61..420
US-08-476-349A-107

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Query Match      69.8%; Score 295.2; DB 1; Length 420;
Best Local Similarity 83.1%; Pred. No. 1.1e-77;
Matches 349; Conservative 0; Mismatches 68; Indels 3; Gaps 1;

QY 1 ATGAAACACTGTGTTCTTCTCTCTCTGAGAGCTCCAGATGGGCTCTGCTCCAG 60
DB 4 ATGAAACACTGTGTTCTTCTCTCTCTGAGAGAGCCCGAGATGGGCTCTGCTCCAG 63
QY 61 CTGACAGCTGAGAGAGTGGGCGCCAGAGAGTGGTGAAGCTTCGGAGACCTGCTCCAGC 120
DB 64 GTGCAAGCTGAGAGAGCGGCGCCAGAGAGTGGTGAAGCTTCGGAGACCTGCTCCAGC 123
QY 121 TGGCTGTCTGTGAGTGGTCTCTGTCAGCAGTAACTGATGGAGCTGATCCGCGAGCC 180
DB 124 TGGAGTGTCTGTGAGTGGTCTCTGTCAGCAGTAACTGATGGAGCTGATCCGCGAGCC 183
QY 181 CCAGGAGAGGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 240
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QY 301 CTGAACTGAGTGTGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 360
DB 304 CTGAACTGAGTGTGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 360
QY 361 GCCCAATAGCTGGAACAACGCTGAGCTTCTGGGGGCGAGAGTCTGTGACCGCTCC 420
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RESULT 12
US-08-523-894-1
Sequence 1, Application US/08523894
Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human

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TITLE OF INVENTION: Therapy
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 420 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: light variable domain of CB9.1
FEATURE:
NAME/KEY: CDS
LOCATION: 4..420
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 61..420
US-08-523-894-1

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Query Match      69.8%; Score 295.2; DB 3; Length 420;
Best Local Similarity 83.1%; Pred. No. 1.1e-77;
Matches 349; Conservative 0; Mismatches 68; Indels 3; Gaps 1;

QY 1 ATGAAACACTGTGTTCTTCTCTCTCTGAGAGCTCCAGATGGGCTCTGCTCCAG 60
DB 4 ATGAAACACTGTGTTCTTCTCTCTCTGAGAGAGCCCGAGATGGGCTCTGCTCCAG 63
QY 61 CTGACAGCTGAGAGAGTGGGCGCCAGAGAGTGGTGAAGCTTCGGAGACCTGCTCCAGC 120
DB 64 GTGCAAGCTGAGAGAGCGGCGCCAGAGAGTGGTGAAGCTTCGGAGACCTGCTCCAGC 123
QY 121 TGGCTGTCTGTGAGTGGTCTCTGTCAGCAGTAACTGATGGAGCTGATCCGCGAGCC 180
DB 124 TGGAGTGTCTGTGAGTGGTCTCTGTCAGCAGTAACTGATGGAGCTGATCCGCGAGCC 183
QY 181 CCAGGAGAGGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 240
DB 184 CCAGGAGAGGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 243
QY 241 AACCTCTCTCTGAGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 300
DB 244 AACCTCTCTCTGAGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 303
QY 301 CTGAACTGAGTGTGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 360
DB 304 CTGAACTGAGTGTGAGTGGAGTGGATGGAGCTATCTGTGATGTGGGGCCACCAACTAC 360
QY 361 GCCCAATAGCTGGAACAACGCTGAGCTTCTGGGGGCGAGAGTCTGTGACCGCTCC 420

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

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1572.740 Million cell updates/sec

Title: US-09-292-053A-2

Perfect score: 423
Sequence: 1 atgaacacctgtgtcttcttcttcttcttcttcttcttca 423

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 3228839 seqs, 245606551 residues

Total number of hits satisfying chosen parameters: 6457678

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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Maximum Match 100%

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Published Applications NA:*

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13: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq:*
15: /cgn2_6/prodata/2/pubpna/US10B_PUBCOMB.seq:*
16: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	423	100.0	423	10	US-09-019-441-2
2	423	100.0	423	15	US-10-103-686-2
3	313.2	74.0	1431	9	US-09-948-429B-1
4	313.2	74.0	1431	13	US-09-758-173-11
5	313.2	74.0	1431	14	US-10-124-905-11
6	313.2	74.0	1431	14	US-10-073-138-6
7	313.2	74.0	1431	15	US-10-124-807-11
8	313.2	74.0	1431	15	US-10-291-532-11
9	301.2	71.2	423	9	US-09-905-243-40
10	299.8	70.9	1404	15	US-10-211-357-7
11	299.8	70.9	1404	15	US-10-211-357-9
12	298.2	70.5	1404	15	US-10-211-357-11
13	298.2	70.5	420	9	US-09-905-243-44
14	298.2	70.5	423	9	US-09-850-165-15

15	296.6	70.1	481	17	US-10-693-629-43	Sequence 43, Appl
16	295.2	69.8	420	15	US-10-211-357-1	Sequence 1, Appl
17	293.4	69.4	417	15	US-10-300-675-1	Sequence 1, Appl
18	292.4	69.1	1431	9	US-09-948-429B-3	Sequence 3, Appl
19	292.4	69.1	1431	13	US-09-758-173-3	Sequence 3, Appl
20	292.4	69.1	1431	14	US-10-124-905-3	Sequence 3, Appl
21	292.4	69.1	1431	15	US-10-124-807-3	Sequence 3, Appl
22	292.4	69.1	1431	15	US-10-291-532-2	Sequence 2, Appl
23	290.8	68.7	1431	14	US-10-073-138-2	Sequence 2, Appl
24	288.4	68.2	1401	13	US-10-292-088-69	Sequence 69, Appl
25	287	67.8	423	13	US-10-309-762-110	Sequence 110, Appl
26	287	67.8	1395	13	US-10-292-088-21	Sequence 21, Appl
27	286.8	67.8	1401	13	US-10-292-088-85	Sequence 85, Appl
28	283.8	67.1	414	16	US-10-309-764-110	Sequence 110, Appl
29	283.8	67.1	423	16	US-10-309-762-108	Sequence 108, Appl
30	282.2	66.7	356	17	US-10-388-214A-35	Sequence 35, Appl
31	282	66.7	429	16	US-10-309-762-110	Sequence 110, Appl
32	282	66.7	1401	13	US-10-292-088-29	Sequence 29, Appl
33	281	66.4	411	16	US-10-309-762-114	Sequence 114, Appl
34	280.6	66.3	414	16	US-10-309-764-106	Sequence 106, Appl
35	279	66.0	432	16	US-10-389-221-9	Sequence 9, Appl
36	278.8	65.9	462	17	US-10-693-629-47	Sequence 47, Appl
37	277.4	65.6	356	17	US-10-388-214A-37	Sequence 37, Appl
38	277.4	65.6	414	16	US-10-309-764-114	Sequence 114, Appl
39	277.4	65.6	423	16	US-10-309-762-106	Sequence 106, Appl
40	277	65.5	629	16	US-10-264-049-2156	Sequence 2156, Appl
41	270.4	63.9	426	17	US-10-389-518-94	Sequence 94, Appl
42	270.4	63.9	792	17	US-10-389-518-110	Sequence 110, Appl
43	270.4	63.9	1543	9	US-09-800-729-74	Sequence 74, Appl
44	270	63.8	1543	9	US-09-800-729-74	Sequence 74, Appl
45	268.6	63.5	413	10	US-09-918-995-16699	Sequence 16699, A

ALIGNMENTS

RESULT 1
US-09-019-441-2

Sequence 2, Application US/09019441

Publication No. US2003008621A1

GENERAL INFORMATION:

APPLICANT: REFF, Mitchell E.

INVENTOR: KLOETZER, William S.

TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL

NUMBER OF SEQUENCES: 35

ADDRESS: KLOETZER, William S.

CORRESPONDENCE ADDRESS: NAKAMURA, Takehiko

STREET: P.O. Box 1404

CITY: Alexandria

STATE: Virginia

COUNTRY: United States

ZIP: 22313-1404

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/019,441

FILING DATE: 05-Feb-1998

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/603,085

FILING DATE: 20-FEB-1997

ATTORNEY/AGENT INFORMATION:

NAME: Teskin, Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-502

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-6620

TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..423
NAME/KEY: mat_peptide
LOCATION: 58..423
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-019-441-2

Query Match 100.0%; Score 423; DB 10; Length 423;
Best Local Similarity 100.0%; Pred. No. 8.9e-119; Indels 0; Gaps 0;
Matches 423; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 ATGAACACCTGTGTTCTTCTCTCTCTGTTGACGCTCCAGATGGGTCTCTCCAG 60
61 CTGAGCTGAGAGTTCGGCCCGAGAGTGTAAAGCTTGGAGACCTGTCCCTCACC 120
61 CTGAGCTGAGAGTTCGGCCCGAGAGTGTAAAGCTTGGAGACCTGTCCCTCACC 120
121 TGGCGTCTCTGTGTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 180
121 TGGCGTCTCTGTGTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 180
181 CCAGGAGAGGAGTCTGAGTGTGATGACGATCTCTCTCTCTCTCTCTCTCTCT 240
181 CCAGGAGAGGAGTCTGAGTGTGATGACGATCTCTCTCTCTCTCTCTCTCTCT 240
241 AACCGTCT 300
241 AACCGTCT 300
301 CTGAACCTGAACCTCTGTGACCGCCGCGGACACGCGCGGTATTAATCTGTG 360
301 CTGAACCTGAACCTCTGTGACCGCCGCGGACACGCGCGGTATTAATCTGTG 360
361 GCCCAATAGCTGGAACAACGCTAGGCTCTGGGGCCAGGAGTCTGTGCTCACC 420
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421 TCA 423
421 TCA 423

RESULT 2
US-10-103-686-2
Sequence 2, Application US/10103686
Publication No. US2003005942A1
GENERAL INFORMATION:
APPLICANT: REPF, Mitchell E.
KLOTZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P. O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/103,686
FILING DATE: 25-Mar-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 423 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..423
NAME/KEY: mat_peptide
LOCATION: 58..423
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-103-686-2

Query Match 100.0%; Score 423; DB 15; Length 423;
Best Local Similarity 100.0%; Pred. No. 8.9e-119; Indels 0; Gaps 0;
Matches 423; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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1 ATGAACACCTGTGTTCTTCTCTCTCTCTGTTGACGCTCCAGATGGGTCTCTCCAG 60
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361 GCCCAATAGCTGGAACAACGCTAGGCTCTGGGGCCAGGAGTCTGTGCTCACC 420
361 GCCCAATAGCTGGAACAACGCTAGGCTCTGGGGCCAGGAGTCTGTGCTCACC 420
421 TCA 423
421 TCA 423

RESULT 3
US-09-948-429B-11
Sequence 11, Application US/09948429B

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Patent No. US2002017689A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF"
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
IMMUNOSUPPRESSANTS"
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/948,429B
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916
FILING DATE:
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1431 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1431
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..1431
US-09-948-429B-11

Query Match 74.0%; Score 313.2; DB 9; Length 1431;
Best Local Similarity 84.5%; Pred. No. 3.1e-85;
Matches 370; Conservative 0; Mismatches 53; Indels 15; Gaps 1;
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Db 241 AACCCCTCCCTCAGAGTCATGTCACCATTTTCAACAGACAGTCCAGAACAGTCTCC 300
QY 301 CTGAACCTGAATCTGTGACGCGCGGACACGCGCGTGTATTACTGTGCCAGATGG 360
Db 301 CTGAAGCTGAATCTATATGACCGCGGACACGCGCGTGTATTACTGTGAGATGCT 360
QY 361 GCCCAATAGCTGAACAA-----CGTAGGCTTCTGGGCGCAGGAGTC 405
Db 361 CTTTTCAGTGTGGAATGTTTACAACAAGTGTTCATGTCGGGCGCGGAGTC 420
QY 406 CTGTACCGCTCTCTCA 423
Db 421 CTGTACCGCTCTCTCA 438

RESULT 4
US-09-758-173-11
Sequence 11, Application US/09758173
Publication No. US20010024648A1
GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF"
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
IMMUNOSUPPRESSANTS"
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/758,173
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/383,916
FILING DATE:
APPLICATION NUMBER: US 08/487,550
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1431 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1431
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..1431
US-09-758-173-11

Query Match 74.0%; Score 313.2; DB 13; Length 1431;
Best Local Similarity 84.5%; Pred. No. 3.1e-85;
Matches 370; Conservative 0; Mismatches 53; Indels 15; Gaps 1;
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PRIOR APPLICATION DATA:

RESULT 13
US-09-905-243-44
; Sequence 44, Application US/09905243
; Patent No. US20020062009A1


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/ CURRENT FILING DATE: 2003-11-13
/ PRIOR APPLICATION NUMBER: PCT/US01/13672
/ PRIOR FILING DATE: 2001-04-27
/ PRIOR APPLICATION NUMBER: US09/844,684
/ PRIOR FILING DATE: 2001-04-27
/ PRIOR APPLICATION NUMBER: JP2001/142482
/ PRIOR FILING DATE: 2001-05-11
/ PRIOR APPLICATION NUMBER: JP2001/310535
/ PRIOR FILING DATE: 2001-10-05
/ PRIOR APPLICATION NUMBER: US10/040,244
/ PRIOR FILING DATE: 2001-10-26
/ NUMBER OF SEQ ID NOS: 66
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO: 43
/ LENGTH: 481
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-693-629-43

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Query Match      70.1%; Score 296.6; DB 17; Length 481;
Best Local Similarity 84.6%; Pred. No. 2.9e-80;
Matches 358; Conservative 0; Mismatches 59; Indels 6; Gaps 2;

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QY 61 CTGACCTGTGAGAGTGGGAGCCAGAGAGTGTGAAGCTTGGAGACCTGTCTCACC 120
Db 112 GTGACAGCTGAGAGAGTGGGAGCCAGAGAGTGTGAAGCTTGGAGACCTGTCTCACC 171
QY 121 TGGGCTGTCTGTGAGCTGTGTGACAGTAACTGTGAGCTGATCCGAGCC 180
Db 172 TGACATGTCTGTGTGCTC--CATCAGTGTACTACTGAGCTGATCCGAGCC 228
QY 181 CCAGGAGAGGAGTGTGAGTGTGACGTATCTGTGAGTGTGGGAGCCACCACTAC 240
Db 229 CCAGGAGAGGAGTGTGAGTGTGAGTGTGATATCTATTACA--GTGGGAGCACCACTAC 285
QY 241 AACCCGTCCCTCAAGAGTGTGATCATTTTCAAGACAGTCCAGAACAGTTCTCC 300
Db 286 AATCCCTCCCTCAAGAGTGTGATCATTTTCAAGACAGTCCAGAACAGTTCTCC 345
QY 301 CTGACCTGTGAGTGTGACCGGCGGAGACAGCCGTGTATTACTGTGCCAGATTGG 360
Db 346 CTGAGCTGATTTCTGTGACCGGTGCGGACAGCCGTGTATTACTGTGCCAGATCCC 405
QY 361 GCCCAATAGCTGTGAACAAGCTAGGCTTGTGGGAGCAGGAGTCTGTGTCAAGTTCC 420
Db 406 TTGCACGGTACTACAAATGTGTTCAACCCCTGGGGCAGGAAACCTGTGTCAAGTTCC 465
QY 421 TCA 423
Db 466 TCA 468

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Search completed: August 23, 2004, 09:17:30
Job time : 1325.15 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 22, 2004, 22:56:57 ; Search time 82.2102 Seconds
(without alignments)
2632.651 Million cell updates/sec

Title: US-09-292-053A-1
Perfect score: 390
Sequence: 1 atggcctgcactcgtcctcct.....cccggttgaccgctcctagct 390

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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2: /cgn2_6/ptodata/2/ina/5B.COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	390	100.0	390	3	US-08-803-085-1
2	321.2	82.4	891	3	US-09-049-672A-23
3	319.6	81.9	902	2	US-08-378-939-11
4	295.2	75.7	548	4	US-09-404-879A-267
5	295.2	75.7	548	4	US-09-338-933-267
6	295.2	75.7	548	4	US-09-215-681-267
7	295.2	75.7	548	4	US-09-216-003A-267
8	285.4	73.2	735	4	US-10-039-785-59
9	285.4	73.2	735	4	US-10-039-785-63
10	285.4	73.2	735	4	US-10-039-785-64
11	275.8	70.7	735	4	US-10-038-785-54
12	275.8	70.6	333	2	US-08-988-201-13
13	273.8	70.2	333	2	US-08-988-201-11
14	269.4	69.1	735	4	US-10-039-785-57
15	267.8	68.7	735	4	US-10-039-785-60
16	267.4	67.0	735	4	US-10-039-785-58
17	267.4	67.0	735	4	US-10-039-785-61
18	258.2	66.2	735	4	US-10-038-785-55
19	258.2	64.7	543	4	US-09-702-705-970
20	258.2	64.7	543	4	US-09-736-457-970
21	258.2	64.7	543	4	US-09-614-124B-970
22	252.2	64.7	543	4	US-09-671-325-970
23	239.6	61.4	324	3	US-09-240-274-137
24	236.4	60.6	585	4	US-09-620-312D-551
25	234.6	60.2	935	3	US-09-049-672A-20
26	233	59.7	393	1	US-08-305-683A-3
27	225.8	57.9	771	3	US-08-991-789A-241

C 28	225.8	57.9	771	4	US-09-062-451-241	Sequence 241, App
C 29	225.8	57.9	771	4	US-09-598-326-241	Sequence 241, App
C 30	225.8	57.9	771	4	US-09-289-198-241	Sequence 241, App
C 31	225.8	57.9	771	4	US-09-429-755-241	Sequence 241, App
C 32	208.8	53.5	312	3	US-09-240-274-138	Sequence 138, App
C 33	200.4	51.4	705	4	US-09-372-425A-3	Sequence 3, App1
C 34	194.8	49.9	366	2	US-08-345-321-3	Sequence 3, App1
C 35	194.6	49.9	711	3	US-08-487-580-9	Sequence 9, App1
C 36	194.6	49.9	711	3	US-09-526-098-9	Sequence 9, App1
C 37	194.6	49.9	895	3	US-09-049-672A-25	Sequence 25, App1
C 38	192.8	49.4	933	4	US-09-079-029-8	Sequence 8, App1
C 39	192	49.2	333	2	US-08-652-816A-27	Sequence 27, App1
C 40	183.2	47.0	774	2	US-08-655-202-4	Sequence 4, App1
C 41	183.2	47.0	774	4	US-09-315-574-4	Sequence 4, App1
C 42	179	45.9	336	3	US-09-240-274-133	Sequence 133, App
C 43	178.6	45.8	330	3	US-09-240-274-132	Sequence 132, App
C 44	176.2	45.2	330	1	US-08-199-911-1	Sequence 1, App1
C 45	172.8	44.3	333	2	US-08-477-553A-43	Sequence 43, App1

ALIGNMENTS

RESULT 1
US-08-803-085-1 Application US/08803085
Sequence 1, Appl 1138
Patent No. 601138
GENERAL INFORMATION: Mb
APPLICANT: REFF, Mitchell E.
APPLICANT: KLOETZER, William S.
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
TITLE OF INVENTION: ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/803,085
FILING DATE: 20-FEB-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teekin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-353
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 390 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..390
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 58..390
US-08-803-085-1
Query Match 100.0%; Score 390; DB 3; Length 390;


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QY 1 ATGGCTGAGCTCTGCTCTGCTCAACCTCTCACTCAAGGACAGATCTGGCTCAG 60
Db 47 ATGGCTGAGCTCTGCTCTGCTCAACCTCTCACTCAAGGACAGGCTCTGGCCAG 106
QY 61 TCTGCCCCGACCTGAGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCT 120
Db 107 TCTGCCCCGACCTGAGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCT 166
QY 121 TGCACGTGAACACGAGTATGCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTG 180
Db 167 TGCACGTGAACACGAGTATGCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTG 226
QY 181 CCAAGCAAGCCCCCAATCTGATTTATGATGCTGCTCTGCTCTGCTCTGCTCTG 240
Db 227 CCAAGCAAGCCCCCAATCTGATTTATGATGCTGCTCTGCTCTGCTCTGCTCTG 286
QY 241 GATGCTTCTGCTGCTCAAGTCTGCAACAGGCTCTGCTCTGCTCTGCTCTGCT 300
Db 287 GATGCTTCTGCTGCTCAAGTCTGCAACAGGCTCTGCTCTGCTCTGCTCTGCT 346
QY 301 GCTGAGGACGAGGCTGATTTACT-GTTGTCATATACACAGTACCTTTGTTAT 359
Db 347 GCTGAGGATGAGCTGATTTACTGAGAGCTCATATGACCAACAATGGGTGTT 406
QY 360 CGGAG-AGGAGCCGGTGAACCGTCTAG 389
Db 407 CGGAGAGGAGCAAGCTGACCGTCTAG 437

RESULT 6
US-09-215-681-267
; Sequence 267, Application US/09215681A
; Patent No. 6528253
; GENERAL INFORMATION:
; APPLICANT: Matcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
; FILE REFERENCE: 210121.463
; CURRENT APPLICATION NUMBER: US/09/215,681A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 267
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(548)
; OTHER INFORMATION: n = A,T,C or G
US-09-215-681-267

Query Match 75.7%; Score 295.2; DB 4; Length 548;
Best Local Similarity 87.7%; Pred. No. 3.7e-78;
Matches 343; Conservative 0; Mismatches 46; Indels 2; Gaps 2;
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QY 241 GATGCTTCTGCTGCTCAAGTCTGCAACAGGCTCTGCTCTGCTCTGCTCTG 300
Db 287 GATGCTTCTGCTGCTCAAGTCTGCAACAGGCTCTGCTCTGCTCTGCTCTG 346
QY 301 GCTGAGGACGAGGCTGATTTACT-GTTGTCATATACACAGTACCTTTGTTAT 359
Db 347 GCTGAGGATGAGCTGATTTACTGAGAGCTCATATGACCAACAATGGGTGTT 406
QY 360 CGGAG-AGGAGCCGGTGAACCGTCTAG 389
Db 407 CGGAGAGGAGCAAGCTGACCGTCTAG 437

RESULT 7
US-09-216-003A-267
; Sequence 267, Application US/09216003A
; Patent No. 6670463
; GENERAL INFORMATION:
; APPLICANT: Matcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER
; FILE REFERENCE: 210121.462
; CURRENT APPLICATION NUMBER: US/09/216,003A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 267
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (346)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (358)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (432)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (510)
; OTHER INFORMATION: Where n is a, c, g or t
; NAME/KEY: modified_base
; LOCATION: (512)
; OTHER INFORMATION: Where n is a, c, g or t
US-09-216-003A-267

Query Match 75.7%; Score 295.2; DB 4; Length 548;
Best Local Similarity 87.7%; Pred. No. 3.7e-78;
Matches 343; Conservative 0; Mismatches 46; Indels 2; Gaps 2;
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QY 301 GGTGAGACGAGGCTGATTATTAAT-CTTTGTCATATACACAGTACCTTTGTTATT 359
DB 347 GCTGAGGATGATGCTGATTATTAATCTGGAAGCTCATATGAGGACAAACAATGGGTGTT 406
QY 360 CGGAG-AGGAGCCGGTTGACCGTCTTAG 389
DB 407 CGGCGAGAGGAGCAAGCTGACCGTCTTAG 437

RESULT 8
US-10-039-785-59
Sequence 59, Application US/10039785
Patent No. 6538938
GENERAL INFORMATION:
APPLICANT: Salcedo et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
FILE REFERENCE: PF550
CURRENT APPLICATION NUMBER: US/10/039,785
PRIOR FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: 60/369,860
PRIOR FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 60/341,237
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: 60/331,310
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/331,044
PRIOR FILING DATE: 2001-11-07
PRIOR APPLICATION NUMBER: 60/327,364
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/323,807
PRIOR FILING DATE: 2001-09-21
PRIOR APPLICATION NUMBER: 60/309,176
PRIOR FILING DATE: 2001-08-02
PRIOR APPLICATION NUMBER: 60/294,981
PRIOR FILING DATE: 2001-06-04
PRIOR APPLICATION NUMBER: 60/293,473
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 59
LENGTH: 735
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: DNA encoding T1014B11 scFv
US-10-039-785-59

Query Match 73.2%; Score 285.4; DB 4; Length 735;
Best Local Similarity 88.3%; Pred. No. 3.2e-75;
Matches 310; Conservative 0; Mismatches 41; Indels 0; Gaps 0;
QY 40 GGCACAGATCTGGGCTGAGTCTGCCCGACTGAGCTCCCTCTGTCTGGGCTCTCT 99
DB 385 GGCAGTGGCGAAGTGCACATCTGCCCTGACTGAGCTGCTCGTCTGGGCTCTCT 444
QY 100 GGAAGTCTGATCAATCTCTGCACTGGAACGACGATGACCTTGGTGTATATAT 159
DB 445 GGAAGTCTGATCAATCTCTGCACTGGAACGACGATGACCTTGGTGTATATAT 504
QY 160 GTCTCTGTGATCAACACCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 219
DB 505 GTCTCTGTGATCAACACCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 564
QY 220 AAGGGGCTTGAAGGGTCTGATGCTCTCTGCTGCAAGTGTGGCAACGCGCTCC 279
DB 565 AATGGGCTTGAAGGGTCTGATGCTCTCTGCTGCAAGTGTGGCAACGCGCTCC 624
QY 280 CTGACCATCTCTGGGCTCAGGCTGAGGACGAGGCTGATTATTAATGTTTCATATACA 339
DB 625 CTGACCATCTCTGGGCTCAGGCTGAGGACGAGGCTGATTATTAATGTTTCATATACA 684

QY 340 ACCAGTAGACCTTGTATTGGAAGAGGAGACCCGGTTGACCGTCTTAGGT 390
DB 685 ACCAGTAGACCTTGTGTGTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 735

RESULT 9
US-10-039-785-63
Sequence 63, Application US/10039785
Patent No. 6538938
GENERAL INFORMATION:
APPLICANT: Salcedo et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
FILE REFERENCE: PF550
CURRENT APPLICATION NUMBER: US/10/039,785
PRIOR FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: 60/369,860
PRIOR FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 60/341,237
PRIOR FILING DATE: 2001-12-20
PRIOR APPLICATION NUMBER: 60/331,310
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/331,044
PRIOR FILING DATE: 2001-11-07
PRIOR APPLICATION NUMBER: 60/327,364
PRIOR FILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/323,807
PRIOR FILING DATE: 2001-09-21
PRIOR APPLICATION NUMBER: 60/309,176
PRIOR FILING DATE: 2001-08-02
PRIOR APPLICATION NUMBER: 60/294,981
PRIOR FILING DATE: 2001-06-04
PRIOR APPLICATION NUMBER: 60/293,473
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 63
LENGTH: 735
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: DNA encoding T1015A07 scFv
US-10-039-785-63

Query Match 73.2%; Score 285.4; DB 4; Length 735;
Best Local Similarity 88.3%; Pred. No. 3.2e-75;
Matches 310; Conservative 0; Mismatches 41; Indels 0; Gaps 0;
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DB 385 GGCAGTGGCGAAGTGCACATCTGCCCTGACTGAGCTGCTCGTCTGGGCTCTCT 444
QY 100 GGAAGTCTGATCAACATCTCTGCACTGGAACGACGATGACCTTGGTGTATATAT 159
DB 445 GGAAGTCTGATCAACATCTCTGCACTGGAACGACGATGACCTTGGTGTATATAT 504
QY 160 GTCTCTGTGATCAACACCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 219
DB 505 GTCTCTGTGATCAACACCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 564
QY 220 AAGGGGCTTGAAGGGTCTGATGCTCTCTGCTGCAAGTGTGGCAACGCGCTCC 279
DB 565 AATGGGCTTGAAGGGTCTGATGCTCTCTGCTGCAAGTGTGGCAACGCGCTCC 624
QY 280 CTGACCATCTCTGGGCTCAGGCTGAGGACGAGGCTGATTATTAATGTTTCATATACA 339
DB 625 CTGACCATCTCTGGGCTCAGGCTGAGGACGAGGCTGATTATTAATGTTTCATATACA 684
QY 340 ACCAGTAGACCTTGTATTGGAAGAGGAGACCCGGTTGACCGTCTTAGGT 390
DB 685 ACCAGTAGACCTTGTGTGTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 735

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RESULT 10
US-10-039-785-64
; Sequence 64, Application US/10039785
; Patent No. 6538938
; GENERAL INFORMATION:
; APPLICANT: Salcedo et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
; FILE REFERENCE: PF550
; CURRENT APPLICATION NUMBER: US/10/039,785
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/369,860
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/341,237
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/331,310
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/331,044
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 60/327,364
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/323,807
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/309,176
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/294,981
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/293,473
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 64
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DNA encoding T1015B01 scFv
US-10-039-785-64

Query Match          73.2%; Score 285.4; DB 4; Length 735;
Best Local Similarity 88.3%; Pred. No. 3.2e-75;
Matches 310; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

QY 40 GGCACAGATCTGGGCTCAGTCTGCCCCGAGCTCAGCCCTCCTGTGTGGGTCTCT
DB 385 GGGGTGGCGGAAGTGACAGTCTGCTGCTGAGCTCAGCTGCTCCATGTTGGGTCTCT
QY 100 GGCACATCGGTCAACCTCTCTGCACTGGAACCAAGATGAGTGTGTTATTAATAT
DB 445 GGCACATCGATCAACCTCTCTGCACTGGAACCAAGATGAGTGTGTTATTAATAT
QY 160 GTCTCTGTATCAACCAACCAAGCCCAAGCCCAAACTCATGATTATGATGCTCT
DB 505 GTCTCTGTATCAACCAAGCCCAAGCCCAAACTCATGATTATGATGCTCTCT
QY 220 AAGCGGCTCAGGGGTCTGTGATGCTTCTCTGCTCCTCAAGTCTGGCAACGGCTCTCC
DB 565 AATCGGCTCAGGGGTCTGTGATGCTTCTCTGCTCCTCAAGTCTGGCAACGGCTCTCC
QY 280 CTGACCATCTGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTGTTCATATACA
DB 625 CTGACCATCTGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTGTTCATATACA
QY 340 ACCAGTAGCACTTTGTTATTCGAAAGAGGACCCGGTTGACCGTCTTAAGT 390
DB 685 AGCAGCAACATTGGGTGTTCGGCGGAGGAGCAACAGGTGACCGTCTTAAGT 735

RESULT 11
US-10-039-785-54
; Sequence 54, Application US/10039785
; Patent No. 6538938
; GENERAL INFORMATION:
; APPLICANT: Salcedo et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
; FILE REFERENCE: PF550
; CURRENT APPLICATION NUMBER: US/10/039,785
; PRIOR FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/369,860
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/341,237
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/331,310
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/331,044
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 60/327,364
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/323,807
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/309,176
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/294,981
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/293,473
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 54
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DNA encoding T1014A04 scFv
US-10-039-785-54

Query Match          70.7%; Score 275.8; DB 4; Length 735;
Best Local Similarity 86.8%; Pred. No. 2.3e-72;
Matches 304; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

QY 40 GGCACAGATCTGGGCTCAGTCTGCCCCGAGCTCAGCCCTCCTGTGTGGGTCTCT
DB 385 GGGGTGGCGGAAGTGACAGTCTGCTGCTGAGCTCAGCTCAGCTGCTCCATGTTGGGTCTCT
QY 100 GGCACATCGGTCAACCTCTCTGCACTGGAACCAAGATGAGTGTGTTATTAATAT
DB 445 GGCACATCGATCAACCTCTCTGCACTGGAACCAAGATGAGTGTGTTATTAATAT
QY 160 GTCTCTGTATCAACCAACCAAGCCCAAGCCCAAACTCATGATTATGATGCTCT
DB 505 GTCTCTGTATCAACCAAGCCCAAGCCCAAACTCATGATTATGATGCTCTCT
QY 220 AAGCGGCTCAGGGGTCTGTGATGCTTCTCTGCTCCTCAAGTCTGGCAACGGCTCTCC
DB 565 CAGGGGCTCAGGGGTCTGTGATGCTTCTCTGCTCCTCAAGTCTGGCAACGGCTCTCC
QY 280 CTGACCATCTGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTGTTCATATACA
DB 625 CTGACCATCTGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTGTTCATATACA
QY 340 ACCAGTAGCACTTTGTTATTCGAAAGAGGACCCGGTTGACCGTCTTAAGT 390
DB 685 GGCAGCAACATTGGGTGTTCGGCGGAGGAGCAACAGGTGACCGTCTTAAGT 735

RESULT 12
US-08-958-201-13
; Sequence 13, Application US/08958201
; Patent No. 5977319
; GENERAL INFORMATION:
; APPLICANT: Pope, Anthony R
; APPLICANT: Pritchard, Kevin
; APPLICANT: Williams, Andrew J
; APPLICANT: Johnson, Kevin S
; TITLE OF INVENTION: Specific binding members for estradiol;
```


TITLE OF INVENTION: materials and methods
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall O'Toole Gerstein Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/958,201
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,897
FILING DATE: 21-OCT-1996
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 333 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: 1C/2D
FEATURE:
NAME/KEY: CDS
LOCATION: 1..333
US-08-958-201-13

Query Match 70.6%; Score 275.4; DB 2; Length 333;
Best Local Similarity 89.2%; Pred. No. 2,3e-72;
Matches 297; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

QY 58 CAGTGTGCCCCGACTGAGCTCCCTCTGTGTCTGGGTCTCTGAGCAGTGGTCAACATC 117
DB 1 CAGTGTGCTGTGACTGACGCTGCTCTGTGTGTGGGTCTCCGAGCAATGATCAACATC 60
QY 118 TCTGTGACTGAGAACGAGGATGAGTGTGTATTAATCTATCTCTGTGTACCAAC 177
DB 61 TCTGTGACTGAGAACGAGGATGAGTGTGTATTAATCTATCTCTGTGTACCAAC 120
QY 178 CACCCAGGCAAAAGCCCCCAACTCATGATTTATGATGTGCTAAGCGGGCTCAAGGGTTC 237
DB 121 CACCCAGGCAAAAGCCCCCAACTCATGATTTATGATGTGCTAAGCGGGCTCAAGGGTTC 180
QY 238 TCTGATGCTTCTCTGTGCTCCAGTCTGCGAACACGCGCTCCCTGACCATCTTGGGCTC 297
DB 181 CTTAATGCTTCTCTGTGCTCCAGTCTGCGAACACGCGCTCCCTGACCATCTTGGGCTC 240
QY 298 CAGGCTGAGGAGGAGGCTGATTATTAATCTGTTGATATACACAGAGACATTGTGTA 357
DB 241 CAGGCTGAGGAGGAGGCTGATTATTAATCTGAGCTCACTTAACGAGAGTCACTGTATC 300
QY 358 TTGGGAAGAGGAGCCCGGTTGACCGTCTAGGT 390
DB 301 TTGGGAGGAGGAGCCCAAGCTGACGCTCTAGGT 333

RESULT 13
US-08-958-201-11
Sequence 11, Application US/08958201
Patent No. 5977319
GENERAL INFORMATION:
APPLICANT: Pope, Anthony R
APPLICANT: Pritchard, Kevin
APPLICANT: Williams, Andrew J
APPLICANT: Johnson, Kevin S
TITLE OF INVENTION: Specific binding members for estradiol;
TITLE OF INVENTION: materials and methods

NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall O'Toole Gerstein Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/958,201
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,897
FILING DATE: 21-OCT-1996
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 333 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: D12 (light chain)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..333
US-08-958-201-11

Query Match 70.2%; Score 273.8; DB 2; Length 333;
Best Local Similarity 88.9%; Pred. No. 6,8e-72;
Matches 296; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

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DB 1 CAGTGTGCTGTGACTGACGCTGCTCTGTGTGTGGGTCTCCGAGCAATGATCAACATC 60
QY 118 TCTGTGACTGAGAACGAGGATGAGTGTGTATTAATCTATCTCTGTGTACCAAC 177
DB 61 TCTGTGACTGAGAACGAGGATGAGTGTGTATTAATCTATCTCTGTGTACCAAC 120
QY 178 CACCCAGGCAAAAGCCCCCAACTCATGATTTATGATGTGCTAAGCGGGCTCAAGGGTTC 237
DB 121 CACCCAGGCAAAAGCCCCCAACTCATGATTTATGATGTGCTAAGCGGGCTCAAGGGTTC 180
QY 238 TCTGATGCTTCTCTGTGCTCCAGTCTGCGAACACGCGCTCCCTGACCATCTTGGGCTC 297
DB 181 CTTAATGCTTCTCTGTGCTCCAGTCTGCGAACACGCGCTCCCTGACCATCTTGGGCTC 240
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QY 358 TTGGGAAGAGGAGCCCGGTTGACCGTCTAGGT 390
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RESULT 14
US-10-039-785-57
Sequence 57, Application US/10039785
Patent No. 6538938
GENERAL INFORMATION:
APPLICANT: Salcedo et al.
TITLE OF INVENTION: Antibodies that immunospecifically bind to TRAIL
TITLE OF INVENTION: Receptors
FILE REFERENCE: PF550
CURRENT APPLICATION NUMBER: US/10/039,785
CURRENT FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: 60/369,860

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; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/341,237
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/331,310
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/331,044
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 60/327,364
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/323,907
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/309,176
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/294,981
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/293,473
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 57
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DNA encoding T1014A12 scFv
US-10-039-785-57

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Query Match      69.1%; Score 269.4; DB 4; Length 735;
Best Local Similarity 85.5%; Pred. No. 1.8e-70;
Matches 300; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

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QY 40 GGCACAGATCTGGGCTCAGTCTGCGCCGCACTCAGCTCCCTCTGTGCTGGTCTCT
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QY 100 GGCAGTGGTCAACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
DB 445 GGCAGTGGTCAACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
QY 160 GTCCTCTGTACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA
DB 505 GTCTCTGTACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA
QY 220 AAGCGGCTCAGGGGCTCTGATCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCT
DB 565 AGCGGCTCAGGGGCTCTGATCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCT
QY 280 CTGACCATCTCTGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTATTAACA
DB 625 CTGACCATCTCTGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTATTAACA
QY 340 ACCAGTAGCACTTTGTTATTCGGAAGAGGAGCCGGTTGACCGTCTAGT 390
DB 685 AGCACAACCTCTGGGTGTTGCGCGGAGGAGCAAGTCAACGCTCTAGT 735

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RESULT 15
US-10-039-785-60
; Sequence 60, Application US/10039785
; Patent No. 6538938
; GENERAL INFORMATION:
; APPLICANT: Salcedo et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: PFS50
; CURRENT APPLICATION NUMBER: US/10/039,785
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/369,860
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/341,237
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/331,310
; PRIOR FILING DATE: 2001-11-14

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; PRIOR APPLICATION NUMBER: 60/331,044
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 60/327,364
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/323,807
; PRIOR FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/309,176
; PRIOR FILING DATE: 2001-08-02
; PRIOR APPLICATION NUMBER: 60/294,981
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/293,473
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 60
; LENGTH: 735
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DNA encoding T1014F08 scFv
US-10-039-785-60

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Query Match      68.7%; Score 267.8; DB 4; Length 735;
Best Local Similarity 85.2%; Pred. No. 5.3e-70;
Matches 299; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

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QY 40 GGCACAGATCTGGGCTCAGTCTGCGCCGCACTCAGCTCCCTCTGTGCTGGTCTCT
DB 385 GGGGTGGGGAGTGCACAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
QY 100 GGCAGTGGTCAACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
DB 445 GGCAGTGGTCAACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT
QY 160 GTCCTCTGTACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA
DB 505 GTCTCTGTACCAACCAACCAACCAACCAACCAACCAACCAACCAACCAACCA
QY 220 AAGCGGCTCAGGGGCTCTGATCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCT
DB 565 ATGCGGCTCAGGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTATTAACA
QY 280 CTGACCATCTCTGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTATTAACA
DB 625 CTGACCATCTCTGGGCTCCAGGCTGAGAGCAAGGCTGATTATTAAGTATTAACA
QY 340 ACCAGTAGCACTTTGTTATTCGGAAGAGGAGCCGGTTGACCGTCTAGT 390
DB 685 GGCACAACCTCTGGGTGTTGCGCGGAGGAGCAAGTCAACGCTCTAGT 735

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GenCore version 5.1.6
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and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	390	100.0	390	US-09-019-441-1	Sequence 1, Appl
2	390	100.0	390	US-10-103-666-1	Sequence 1, Appl
3	334	85.6	605	US-09-878-134-264	Sequence 264, App
4	327.6	84.0	1640	US-10-198-846-13506	Sequence 13506, A
5	326.6	83.7	1597	US-10-198-846-13540	Sequence 13540, A
6	324.4	83.2	408	US-09-918-995-16573	Sequence 16573, A
7	324.4	83.2	421	US-09-918-995-16692	Sequence 16692, A
8	332.4	82.7	1460	US-10-076-747-8	Sequence 8, Appl
9	333.2	80.3	726	US-10-225-108-13	Sequence 13, Appl
10	313.2	80.3	726	US-10-461-148-12	Sequence 12, Appl
11	313.2	79.3	1597	US-10-198-846-13540	Sequence 13540, A
12	311.6	79.9	420	US-09-918-995-16500	Sequence 16500, A
13	307	78.7	387	US-10-399-518-104	Sequence 104, App
14	301.8	77.4	883	US-10-158-646-73	Sequence 73, Appl

15	300.6	77.1	2667	US-10-158-646-76	Sequence 76, Appl
16	295.2	75.7	548	US-09-884-441-267	Sequence 267, App
17	295.2	75.7	548	US-09-907-969-267	Sequence 267, App
18	295.2	75.7	548	US-09-887-271-267	Sequence 267, App
19	295.2	75.7	548	US-10-198-053-267	Sequence 267, App
20	292.4	75.0	2081	US-10-108-260A-2348	Sequence 2348, App
21	288	73.8	413	US-09-918-995-16139	Sequence 16139, A
22	286	73.3	1480	US-09-981-353-146	Sequence 146, App
23	285.4	73.2	735	US-10-039-785-59	Sequence 59, Appl
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28	285.4	73.2	735	US-10-139-785-64	Sequence 64, Appl
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34	281.2	72.1	816	US-10-333-235A-47	Sequence 47, Appl
35	281.2	72.1	819	US-10-342-887-198	Sequence 198, App
36	281.2	72.1	819	US-10-172-118-198	Sequence 198, App
37	281.2	72.1	819	US-10-062-188-6	Sequence 6, Appl
38	279.6	71.7	435	US-09-918-995-16554	Sequence 16554, A
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40	276.8	71.0	792	US-10-389-518-110	Sequence 110, App
41	276.8	71.0	822	US-10-389-518-113	Sequence 113, App
42	275.8	70.7	330	US-10-399-518-96	Sequence 96, Appl
43	275.8	70.7	735	US-10-039-785-54	Sequence 54, Appl
44	275.8	70.7	735	US-10-139-785-54	Sequence 54, Appl
45	275	70.5	552	US-10-029-386-1351	Sequence 1351, Ap

ALIGNMENTS

RESULT 1
US-09-019-441-1
Sequence 1, Application US/09019441
Publication No. US20030086921A1
GENERAL INFORMATION:
APPLICANT: REEF, Mitchell E.
KLOETZER, William S.
NAKAMURA, Takehiko
TITLE OF INVENTION: GAMMA-1 ANTI-HUMAN CD23 MONOCLONAL
ANTIBODIES AND USE THEREOF AS THERAPEUTICS
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP
STREET: P.O. Box 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/019,441
FILING DATE: 05-Feb-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/803,085
FILING DATE: 20-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-502
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021


```
FILE REFERENCE: 210121.532
CURRENT APPLICATION NUMBER: US/09/878.134
CURRENT FILING DATE: 2001-06-07
NUMBER OF SEQ ID NOS: 377
SOFTWARE: Corixa Invention Disclosure Database
SEQ ID NO 254
LENGTH: 605
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(605)
OTHER INFORMATION: n = A,T,C or G
US-09-878-134-264

Query Match
Best Local Similarity 91.0%; Pred. No. 2.5e-101;
Matches 355; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

1 ATGGCCCTGACCTGCTCCCTGCTCAACCTCTCTCACTCAGGGGACAGAGATCTGGGGCTCAG 60
33 ATGGCCCTGAGCTGTCTATCTCTCACTCTCTCTCACTCAGGGGACAGAGATCTGGGGCTCAG 92
61 TCTGCCCGGACCTGAGCTCCCTCTGTGTCTGGGTCTCTGAGACAGTCCGATCATCTCC 120
93 TCTGCCCTGACTCAGGCTGCTCGGTGTCTGGGTCTCTGAGACAGTCCGATCATCTCC 152
121 TGCACCTGGAACCGACGATGACGTTGGTTGATTATTAATCTCTCTCTGATCAACACAC 180
153 TGCACCTGGAACCGACGATGACGTTGGTTGATTATTAATCAATCTCTCTGATCAACAC 212
181 CCAGGCAAGGCCCCCAACTCATGATTATGATGTCGCTAAGCGGGCTCTGAGGGCTCTCT 240
213 CCAGGCAAGGCCCCCAACTCATGATTATGATGTCGCTAAGCGGGCTCTGAGGGCTCTCT 272
241 GATGCTTCTCTGCTCTCAAGTGTGGACACGCGCTCTCTGACATCTCTGAGGCTCCAG 300
273 AATGCTTCTCTGCTCTCAAGTGTGGACACGCGCTCTCTGACATCTCTGAGGCTCCAG 332
301 GCTGAGGACGAGGCTGATTATTAATGTTGATTATTAACACGATGACGCTTGTATATC 360
333 GCTGAGGACGAGGCTGATTATTAATGTTGATTATTAACACGATGACGCTTGTATATC 392
361 GGAAGAGGAGCCCGGTTGACCGCTCTAGGT 390
393 GCGGAGGAGGACCAAGGTGACCGCTCTAGGT 422

RESULT 4
US-10-198-846-13206/c
Sequence 13206, Application US/10198846
Publication No. US2003009974A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Xu, Yongyao
APPLICANT: Wang, Youzhen
APPLICANT: Steinmann, Kathleen
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
FILE REFERENCE: MRI-049
CURRENT APPLICATION NUMBER: US/10/198,846
CURRENT FILING DATE: 2002-07-18
PRIOR APPLICATION NUMBER: 60/306,220
PRIOR FILING DATE: 2001-07-18
NUMBER OF SEQ ID NOS: 14084
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13206
LENGTH: 1640
TYPE: DNA
ORGANISM: Homo sapiens
US-10-198-846-13206
```

```
Query Match
Best Local Similarity 84.0%; Score 327.6; DB 15; Length 1640;
Matches 351; Conservative 0; Mismatches 39; Indels 0; Gaps 0;

1 ATGGCCCTGACCTGCTCCCTGCTCAACCTCTCTCACTCAGGGGACAGAGATCTGGGGCTCAG 60
1569 ATGGCCCTGAGCTGTCTATCTCTCACTCTCTCTCACTCAGGGGACAGAGATCTGGGGCTCAG 1510
61 TCTGCCCGGACCTGAGCTCCCTCTGTGTCTGGGTCTCTGAGACAGTCCGATCATCTCC 120
1509 TCTGCCCTGACTCAGGCTGCTCGGTGTCTGGGTCTCTGAGACAGTCCGATCATCTCC 1450
121 TGCACCTGGAACCGACGATGACGTTGGTTGATTATTAATCTCTCTCTGATCAACACAC 180
1449 TGCACCTGGAACCGACGATGACGTTGGTTGATTATTAATCAATCTCTCTGATCAACACAC 1390
181 CCAGGCAAGGCCCCCAACTCATGATTATGATGTCGCTAAGCGGGCTCTGAGGGCTCTCT 240
1389 CCAGGCAAGGCCCCCAACTCATGATTATGATGTCGCTAAGCGGGCTCTGAGGGCTCTCT 1330
241 GATGCTTCTCTGCTCTCAAGTGTGGACACGCGCTCTCTGACATCTCTGAGGCTCCAG 300
1329 AATGCTTCTCTGCTCTCAAGTGTGGACACGCGCTCTCTGACATCTCTGAGGCTCCAG 1270
301 GCTGAGGACGAGGCTGATTATTAATGTTGATTATTAACACGATGACGCTTGTATATC 360
1269 GCTGAGGACGAGGCTGATTATTAATGTTGATTATTAACACGATGACGCTTGTATATC 1210
361 GGAAGAGGAGCCCGGTTGACCGCTCTAGGT 390
1209 GCGGAGGAGGACCAAGGTGACCGCTCTAGGT 1180

RESULT 5
US-10-198-846-13540/c
Sequence 13540, Application US/10198846
Publication No. US2003009974A1
GENERAL INFORMATION:
APPLICANT: Lillie, James
APPLICANT: Xu, Yongyao
APPLICANT: Wang, Youzhen
APPLICANT: Steinmann, Kathleen
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
FILE REFERENCE: MRI-049
CURRENT APPLICATION NUMBER: US/10/198,846
CURRENT FILING DATE: 2002-07-18
PRIOR APPLICATION NUMBER: 60/306,220
PRIOR FILING DATE: 2001-07-18
NUMBER OF SEQ ID NOS: 14084
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13540
LENGTH: 1597
TYPE: DNA
ORGANISM: Homo sapiens
US-10-198-846-13540

Query Match
Best Local Similarity 83.7%; Score 326.6; DB 15; Length 1597;
Matches 350; Conservative 0; Mismatches 39; Indels 0; Gaps 0;

2 TGGCTGAGACTGTGCTCTCTGCTCAACCTCTCTCACTCAGGGGACAGAGATCTGGGGCTCAGT 61
1529 TGGCTGAGACTGTGCTCTCTGCTCAACCTCTCTCACTCAGGGGACAGAGATCTGGGGCTCAGT 1470
62 CTGCCCGGACCTGAGCTCCCTCTGTGTCTGGGTCTCTGAGACAGTCCGATCATCTCC 121
1469 CTGCCCTGACTCAGGCTGCTCGGTGTCTGGGTCTCTGAGACAGTCCGATCATCTCC 1410
122 GCACCTGGAACCGACGATGACGTTGGTTGATTATTAATGTTCTCTGATCAACACAC 181
1409 GCATGGAACCTGACATGATGATGATTATTAATGATTATGTTCTCTGATCAACACAC 1350
```

QY	182	AAGGAAAGCCCCCAAATCATGATTTTATGATGCTAAAGGGGCTCAGGGGCTCTG	241
Db	1349	CAGGCAAGCCCCCAAATCTCTGATTTTATGATGCTAAATGCGGCTCAGGGGTTTCTA	1230
QY	242	ATCGCTTCTCTGCTCCAAAGTCTGGCAACAGGCGCTCCCTGACCATCTCTG3GCTCAGG	301
Db	1289	ATCGCTTCTCTGAGCTCCAAAGTCTGGCAACAGGCGCTCCCTGACCATCTCTG3GCTCAGG	1230
QY	302	CTGAGAGAGAGGCTGATTTATTACTGTGTTCATATACAAACAGTAGCACTTGTATTACG	361
Db	1229	CTGAGGAGAGAGGCTGATTTATTACTGACACTATATACAGCAGCAGCACTCTGATTACG	1170
QY	362	GAAGAGGAGCACCAGTTGACACGCTCAAGT	390
Db	1169	GCGAGGGAACCAAGCTGACCGCTCTGGGT	1141

```

RESULT 6
US-09-918-995-36573
: Sequence 36573, Application US/09918995
: Publication No. US20090073622A1
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc.
: TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
: TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
: FILE REFERENCE: 20411-735
: CURRENT APPLICATION NUMBER: US/09/918,995
: CURRENT FILING DATE: 2001-07-30
: PRIOR APPLICATION NUMBER: US/09/235,076
: PRIOR FILING DATE: 1999-01-20
: NUMBER OF SEQ ID NOS: 38054
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 36573
: LENGTH: 408
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-918-995-36573

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Query Match	Similarity	83.2%	Score 34.4	DB 10	Length 408
Best Local	Similarity	89.5%	Pred. No. 3,66	-98	
Matches	349	Conservative	0	Mismatches	41
				Indels	0
				Gaps	0
QY	1	ATGGCGTGA	CTCTGCTCTCTGTCACCCCTCTCACTCAGGGCAGACGAGATCTGGGCTAG	60	
Db	19	ATGGCGTGGGCTCTGCTCTGCTCTCTCAACCTCCCTCACTCAGGGCAGACGAGGCTCTGGGCCAG	78		
QY	61	TCTGGCCCGACTCAACCTCCCTCTGTCGTGGGCTCCCTGACAGATCGGTACCATCTCC	120		
Db	79	TCTGGCCCTGACTCAACCTCTGCTCTGTCGTGGGCTCCCTGAGCACTGATACCATCTCC	138		
QY	121	TGCATGTGAAACGACGATGACGTTGGTGGTTAACTATGTCCTCTGGACCAACACAC	180		
Db	139	TGCATGTGAAACGACGATGACGTTGGTGGTTAACTATGTCCTCTGGACCAACACAC	198		
QY	181	CCAGGCAAAAGCCCCCAAACTATGATTTATGATGTCCTAGCGGGCTCAGGGTCTCT	240		
Db	189	CCAGGCAAAAGCCCCCAAACTATGATTTATGATGTCCTAGCAAAAGGCTCTCAGGGTCTCT	258		
QY	241	GATCGCTTCTCTGGCTCTCCAGTCTGAGCAACAGGCTCCCTCACCATCTCTGGGCTCAG	300		
Db	259	AATCGCTTCTCTGGCTCTCCAGTCTGAGCAACAGGCTCCCTCACCATCTCTGGGCTCAG	318		
QY	301	GCTGAGACGAGGCTGATTTATTACTGTGTTCAATACACCAAGTAGCATTTGTTATTC	360		
Db	319	GCTGAGACGAGGCTCATTTATTATGCAAGTTCATATACACCAAGACACTCTCGCTCTC	378		
QY	361	GGAAAGAGGACCCGGTTACCGGCTTAGGT	390		
Db	379	GGAAATGGGGCCAAAGTCAACGCTCTTATGT	408		

RESULT 7

```

US-09-918-995
US-09-918-995, Application US/09918995
: Sequence 16692, Application US/09918995
: Publication No. US20030073623a1
: GENERAL INFORMATION:
: APPLICANT: Hyseq, Inc
: TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
: TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
: FILE REFERENCE: 20411-756
: CURRENT APPLICATION NUMBER: US/09/918,995
: CURRENT FILING DATE: 2001-07-30
: PRIOR APPLICATION NUMBER: US/09/235,076
: PRIOR FILING DATE: 1999-01-20
: NUMBER OF SEQ ID NOS: 38054
: SOFTWARE: fastseq For Windows Version 3.0
: SEQ ID NO 16692
: LENGTH: 421
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-918-995-16692

```

Query Match	Similarity	83.2%	Score 324.4	DB 10	Length 421
Best Local	Similarity	89.5%	Pred. No. 3.6e-98		
Matches	349	Conservative	0	Mismatches	41
				Indels	0
				Gaps	0
QY	1	ATGGCTTGAGACTTGCTGCTCTCTGTAACCTCTCTCACTCAGGGCACAGATCTCTGGGCTAG	60		
Db	31	ATGGGCTTGAGGCTCTGCTGCTCTCTCTCACTCTCTCACTCAGGGCACAGAGGCTCTCTGGGCTCAG	90		
QY	61	TCTGGCCCGGACTCAGGCGCTCCTCTGTGTCTGGGCTCTCTGACAGATGGTCAACCATCTCC	120		
Db	91	TCTGGCTCTGACTCAGGCTGCTCTCTGTGTCTGGGCTCTCTGACAGATGCATCACCATCTCC	150		
QY	121	TGCATGTGAAACGACGATGACGTTGTGGTTATAACTATGTCTCTGTTACCAACACAC	180		
Db	151	TGCACTGGAACGACGATGACGATGTGTATTACAAACCATGTCTCTGTGTACCAACACAC	210		
QY	181	CCAGGCAAGCCCCCAACTCATATATTATATATGCGTAAAGGGGCTCAGGGGCTCT	240		
Db	211	CCAGGCAAGCCCCCAACTCATATATTATATAGGTCAGTAAATGGCCCTCAGGGGTTTCT	270		
QY	241	GATCGCTTCTCTGCGCTCCAGTCTGGCAACAGCGGCTCCCTGACCATCTTGGGCTCCAG	300		
Db	271	AATGGCTTCTCTGGGCTCCAGTCTGGCAACAGCGGCTCCCTGACCATCTTGGGCTCCAG	330		
QY	301	GCTGAGACGAGGCTGATTATTACTGTGTTCATATATACCAACGATGACACTTGTATTTC	360		
Db	331	GCTGAGGACGAGGCTGATTATTACTGCAAGCTCATATATACCAACGATGATCTGTGTGTC	390		
QY	361	GGAGAGGAGACCGGCTTACCGTCTTAGGT	390		
Db	391	GGCGAGGAGACCAAGCTAACCGTCTTAGGT	420		

```

RESULT 8
US-10-076-747-8
: Sequence 8, Application US/10076747
: Publication No. US20030180726A1
: GENERAL INFORMATION:
: APPLICANT: Salceda, Susana
: APPLICANT: Macina, Roberto
: APPLICANT: Hu, Ping
: APPLICANT: Rectipon, Herve
: APPLICANT: Karra, Kalpana
: APPLICANT: Caffetkey, Robert
: APPLICANT: Sun, Yongming
: APPLICANT: Liu, Chenghua
: TITLE OF INVENTION: Compositions and Methods Relating to Ovarian Specific Genes and
: FILE REFERENCE: DEX-0315
: CURRENT APPLICATION NUMBER: US/10/076,747
: CURRENT FILING DATE: 2002-02-13
: PRIOR APPLICATION NUMBER: 60/266,290
: PRIOR FILING DATE: 2001-02-13
: PRIOR APPLICATION NUMBER: 60/266,834

```

PRIOR FILING DATE: 2001-02-15
NUMBER OF SEQ ID NOS: 129
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 1460
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc feature
LOCATION: (1022)..(1022)
OTHER INFORMATION: a, c, g or t
US-10-076-747-8

Query Match 82.7%; Score 322.4; DB 15; Length 1460;
Best Local Similarity 89.4%; Pred. No. 2.7e-97;
Matches 347; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

QY 3 GGCGTGGACTCTGCTCCTCGTCAACCCCTCTCACTCAGGGGACAGATCCTGGGCTCAGTC 62
DB 1 GGCGTGGGCTCTGCTATTTCTCAACCCCTCTCACTCAGGGGACAGAGGCTCTGGGCCAGTC 60
QY 63 TGGCCCGACTCAGCCTTCTCTGTGTGTGGGTCTCTGGACAGTGGGTCAACATCTCTTG 122
DB 61 TGGCTTGACCTCAGCTGCTCCCTCGTCTCGGTCTCTGGACAGTGCATCCATCTCTTG 120
QY 123 CACTGGAACCGAGCATGAGCTGGTGGTAACTATGTCTCTGGTACCAACAGCAGCC 182
DB 121 CACTGGAACCGAGCATGAGCTGGTGGTAACTATGTCTCTGGTACCAACAGCAGCC 180
QY 183 AGGCAAGAGCCGCCAACTCATGATTATGATGTGCTAGAGGGGCTCAGGGCTCTCTGA 242
DB 181 AGGCAAGAGCCGCCAACTCATGATTATGATGTGCTAGATGATGAGGCTCAGGGCTCTCTAA 240
QY 243 TCGCTTCTGCTGGCTCCAGTCTGGCAACAGGCTCCCTGACCATCTCTGGCTCCAGG 302
DB 241 TCGCTTCTGCTGGCTCCAGTCTGGCAACAGGCTCCCTGACCATCTCTGGCTCCAGG 300
QY 303 TGAGAGGAGGCTGATTATTACTGTGTTCAATATACACAGTAGCACTTTGTTATTGG 362
DB 301 TGAGAGGAGGCTGATTATTACTGTGTTCAATATACAGAGTACTTCTCATGTCTTGG 360
QY 363 AAGAGGAGCCCGGTGACCGTCTCCTAGGT 390
DB 361 AACTGGAGCAAGGTACCGTCTTAGGT 388

RESULT 9

US-10-225-108A-13
Sequence 13, Application US/10225108A
Publication No. US20030157112A1
GENERAL INFORMATION:
APPLICANT: HOOPER, Craig
APPLICANT: DIETZSCHOLD, Bernhard
TITLE OF INVENTION: Recombinant Antibodies, and Compositions
TITLE OF INVENTION: and Methods for Making Them
FILE REFERENCE: 8321-110
CURRENT APPLICATION NUMBER: US/10/225,108A
CURRENT FILING DATE: 2003-04-10
PRIOR APPLICATION NUMBER: US 09/848,832
PRIOR FILING DATE: 2001-05-04
PRIOR APPLICATION NUMBER: US 60/204,518
PRIOR FILING DATE: 2001-05-16
PRIOR APPLICATION NUMBER: US 60/314,023
PRIOR FILING DATE: 2001-08-21
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13
LENGTH: 726
TYPE: DNA
ORGANISM: Homo sapiens
US-10-225-108A-13

Query Match 80.3%; Score 313.2; DB 15; Length 726;

Best Local Similarity 88.9%; Pred. No. 2.5e-94;
Matches 352; Conservative 0; Mismatches 38; Indels 6; Gaps 1;

QY 1 ATGGCTGGACTCTGCTCTCTGTCACCTCTCTCACTCAGGGACAGATCTCTGGGCTCAG 60
DB 16 ATGGCTGGGCTCTGCTCTCTCTCTCACTCAGGGGACAGATCTCTGGGCTCAG 75
QY 61 TGTGCCCCGACTCAGCCCTCTGTCGTGGGTCTCTGGACAGTGGGTCAACATCTCC 120
DB 76 TGTGCCCCGACTCAGCCCTCTGTCGTGGGTCTCTGGACAGTGGGTCAACATCTCC 135
QY 121 TGCACGTGAACCGAGATGAGTGGTGGTAACTATGATGTCGTCTCTGTACCAACACCAC 180
DB 136 TGCACGTGAACCGAGATGAGTGGTGGTAACTATGATGTCGTCTCTGTACCAACACCAC 195
QY 181 CCAGCAAGAGCCGCCAACTCATGATTATGATGTCGTCTCTGTACCAACACCAC 240
DB 196 CCAGCAAGAGCCGCCAACTCATGATTATGATGTCGTCTCTGTACCAACACCAC 255
QY 241 GATGCTTCTGCTGCTCCAGTCTGGCAACAGGCTCCCTGACCATCTCTGGGCTCAG 300
DB 256 GATGCTTCTGCTGCTCCAGTCTGGCAACAGGCTCCCTGACCATCTCTGGGCTCAG 315
QY 301 GCTGAGGAGGAGGCTGATTATTACTGTTGTTCAATATACACCAAGTAGAC- - - - -TTTG 354
DB 316 GCTGAGGAGTGAAGCTGATTATTACTGCTCATATGACAGGCGACTACACCCCGGCGTG 375
QY 355 TTATTCGGAAGAGGAGCGGCTGACCGCTCAGGT 390
DB 376 GTTTCGGGAGGAGGAGCAAGCTGACCGTCTTAGGT 411

RESULT 10

US-10-461-148-12
Sequence 12, Application US/10461148
Publication No. US20040013672A1
GENERAL INFORMATION:
APPLICANT: Hooper, Douglas C.
APPLICANT: Dietzschold, Bernhard
TITLE OF INVENTION: RECOMBINANT ANTIBODIES AND COMPOSITIONS
TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THE SAME
FILE REFERENCE: 8321-110C11-185685
CURRENT APPLICATION NUMBER: US/10/461,148
CURRENT FILING DATE: 2003-06-13
PRIOR APPLICATION NUMBER: US 10/225,108
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/314,023
PRIOR FILING DATE: 2001-08-21
PRIOR APPLICATION NUMBER: US 09/848,832
PRIOR FILING DATE: 2001-05-04
PRIOR APPLICATION NUMBER: US 60/204,518
PRIOR FILING DATE: 2000-05-16
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12
LENGTH: 729
TYPE: DNA
ORGANISM: Human
US-10-461-148-12

Query Match 80.3%; Score 313.2; DB 16; Length 729;
Best Local Similarity 88.9%; Pred. No. 2.5e-94;
Matches 352; Conservative 0; Mismatches 38; Indels 6; Gaps 1;

QY 1 ATGGCTGGACTCTGCTCTCTGTCACCTCTCTCACTCAGGGGACAGATCTCTGGGCTCAG 60
DB 16 ATGGCTGGGCTCTGCTCTCTCTCTCACTCAGGGGACAGATCTCTGGGCTCAG 75
QY 61 TGTGCCCCGACTCAGCCCTCTGTCGTGGGTCTCTGGACAGTGGGTCAACATCTCC 120
DB 76 TGTGCCCCGACTCAGCCCTCTGTCGTGGGTCTCTGGACAGTGGGTCAACATCTCC 135
QY 121 TGCACGTGAACCGAGATGAGTGGTGGTAACTATGATGTCGTCTCTGTACCAACACCAC 180

Db 136 TGCCTGGAACCAAGCACTGATGATGGTGTATTAACCTTGTCTCCCTGGTACCAAGCAAC 195
Qy 181 CCAAGCAAAAGCCCCCAACTCATGATTTATGATGTGCTTAAGCGGCTTCAGGGCTCTCT 240
Db 196 CCAAGCAAAAGCCCCCAACTCATGATTTATGATGCCATGAAGGGCCCTCAAGGGCTCCCT 255
Qy 241 GATGCTTCTCTGCTCCCAAGTCTGGCAACGAGCCCTCCCTGACCATCTCTGGGCTCCAG 300
Db 256 GATGCTTCTCTGCTCCCAAGTCTGGCAACGAGCCCTCCCTGACCATCTCTGGGCTCCAG 315
Qy 301 GCTGAGACGAGGCTGATTTATGATGTTGTTCAATTAACAACGATGAC-----TTTG 354
Db 316 GCTGAGGATGAGGCTGATTTATGATGCTGCTCATATGCAAGGCGACTACACCCCGGCGTG 375
Qy 355 TTATTCGAAGAGGAGCCCGTGTACCGCTCCTAGGT 390
Db 376 GTTTCGCGGAGGAGCAAGCTGACCGCTCTTAGGT 411

RESULT 11
US-10-198-846-13540
; Sequence 13540, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198, 846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13540
; LENGTH: 1597
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-198-846-13540

Query Match 80.3%; Score 313.2; DB 15; Length 1597;
Best Local Similarity 88.9%; Pred. No. 3.3e-94;
Matches 352; Conservative 0; Mismatches 38; Indels 6; Gaps 1;

Qy 1 ATGAGCTGAGCTGCTGCTCTGTCACCTCTCCTCACTCAGGAGCAAGATCTGGGCTCAG 60
Db 35 ATGAGCTGAGCTGCTGCTCTGTCACCTCTCCTCACTCAGGAGCAAGATCTGGGCTCAG 94
Qy 61 TCTGCCCCGAGCTCAGGCTCCCTCTGTGTCTGGGTCTCTCTGAGACGTGGTACCATCTCC 120
Db 95 TCTGCCCCGAGCTCAGGCTCCCTCTGTGTCTGGGTCTCTCTGAGACGTGGTACCATCTCC 154
Qy 121 TGCACTGGAACGAGCATGAGTGTGAGTTAATATGATGTCGCTAAGCGGAGCTCAGGGCTCT 180
Db 155 TGCACTGGAACGAGCATGAGTGTGAGTTAATATGATGTCGCTAAGCGGAGCTCAGGGCTCT 214
Qy 181 CCAAGCAAAAGCCCCCAACTCATGATTTATGATGTCGCTAAGCGGAGCTCAGGGCTCTCT 240
Db 215 CCAAGCAAAAGCCCCCAACTCATGATTTATGAGTGTGAGTGTGAGGCTCAGGGGCTCCT 274
Qy 241 GATGCTTCTCTGCTCCCAAGTCTGGCAACGAGCCCTCCCTGACCATCTCTGGGCTCCAG 300
Db 275 GATGCTTCTCTGCTCCCAAGTCTGGCAACGAGCCCTCCCTGACCATCTCTGGGCTCCAG 334
Qy 301 GCTGAGACGAGGCTGATTTATGATGTTGTTCAATTAACAAC-----AGTACCATTTTG 354
Db 335 GCTGAGACGAGGCTGATTTATGATGTTGTTCAATTAACAACGCTCATATATGTCATGTG 394

Qy 355 TTATTCGAAGAGGAGCCCGTGTGACCGCTCTAGGT 390
Db 395 CTATTCGCGGAGGAGCAAGCTGACCGCTCTTAGT 430

RESULT 12
US-09-918-995-16500
; Sequence 16500, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918, 995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235, 076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16500
; LENGTH: 420
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-16500

Query Match 79.9%; Score 311.6; DB 10; Length 420;
Best Local Similarity 87.4%; Pred. No. 7.1e-94;
Matches 341; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 1 ATGAGCTGAGCTGCTGCTCTGTCACCTCTCCTCACTCAGGAGCAAGATCTGGGCTCAG 60
Db 25 ATGAGCTGAGCTGCTGCTCTGTCACCTCTCCTCACTCAGGAGCAAGATCTGGGCTCAG 84
Qy 61 TCTGCCCCGAGCTCAGGCTCCCTCTGTGTCTGGGTCTCTCTGAGACGTGGTACCATCTCC 120
Db 85 TCTGCCCCGAGCTCAGGCTCCCTCTGTGTCTGGGTCTCTCTGAGACGTGGTACCATCTCC 144
Qy 121 TGCACTGGAACGAGCATGAGTGTGAGTTAATATGATGTCGCTAAGCGGAGCTCAGGGCTCT 180
Db 145 TGCACTGGAACGAGCATGAGTGTGAGTTAATATGATGTCGCTAAGCGGAGCTCAGGGCTCT 204
Qy 181 CCAAGCAAAAGCCCCCAACTCATGATTTATGATGTCGCTAAGCGGAGCTCAGGGCTCTCT 240
Db 205 CCAAGCAAAAGCCCCCAACTCATGATTTATGATGTCGCTAAGCGGAGCTCAGGGCTCTCT 264
Qy 241 GATGCTTCTCTGCTCCCAAGTCTGGCAACGAGCCCTCCCTGACCATCTCTGGGCTCCAG 300
Db 265 GATGCTTCTCTGCTCCCAAGTCTGGCAACGAGCCCTCCCTGACCATCTCTGGGCTCCAG 324
Qy 301 GCTGAGACGAGGCTGATTTATGATGTTGTTCAATTAACAACGATGACCTTGTATTTC 360
Db 325 GCTGAGACGAGGCTGATTTATGATGTTGTTCAATTAACAACGATGACCTTGTATTTC 384
Qy 361 GGAAGAGGAGCCCGTGTGACCGCTCCTAGGT 390
Db 385 GGAAGAGGAGCCCGTGTGACCGCTCCTAGGT 414

RESULT 13
US-10-399-518-104
; Sequence 104, Application US/10399518
; Publication No. US20040091475A1
; GENERAL INFORMATION:
; APPLICANT: TSUCHIYA, MASAYUKI
; APPLICANT: OHYANO, TOSHIHIKO
; APPLICANT: YABUTA, NAOHITO
; APPLICANT: TSBODA, HIROYUKI
; APPLICANT: ORITA, TETSUO
; TITLE OF INVENTION: DEGRADED TPO AGONIST ANTIBODY
; FILE REFERENCE: 065678/0111
; CURRENT APPLICATION NUMBER: US/10/399,518
; CURRENT FILING DATE: 2003-09-25


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Db      2515 TGACCTGGAACCAAGCACTGACGTTGGTTATTAATACTATGTCCTCTGTAATCAACACAC 2456
QY      181  CAGGCAAGCCCCCAAACTCATGATTTATGATGTCCTAAGCGGCTCAAGGGTCTCT 240
Db      2455 CAGGCAAGCCCCCAAACTCATGATTTATGAGTCAAGTCAAGGCTCAAGGGTCTCT 2396
QY      241  GATGGCTTCTGCTGCTGCAAGTCTGGCAACAGGCTCCCTGACCATCTCT-GGGCTCA 299
Db      2395 AATGGCTTCTGCTGCTGCAAGTCTGGCAACAGGCTCCCTGACCATCTCTGAGGCTCA 2336
QY      300  GGCTGAGAGCAGGCTGATTATTACTGTTGTCATATACACCAAGTAGCACTTTGTTATT 359
Db      2335 GTCTGACGATGAGGCTGATTATTATGCTATGATTTGGCCAAAGATGATTATGCTATT 2276
QY      360  CGGAGAGGGAACCGGTTGACCGTCTTAGGT 390
Db      2275 TGGCGAGGAGCAAGTTGACCGTCTTAGGT 2245

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